

A long-exposure photograph of a train at dusk. The train is moving from the bottom left towards the top right, leaving a series of colorful light trails in shades of orange, yellow, red, and blue. The background shows a clear blue sky and some trees on the right side. The overall mood is dynamic and modern.

# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

## ANNUAL REPORT 2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

**ANNUAL REPORT**  
**July 1, 2016 – June 30, 2017**

**Table of Contents**

1. Director's Statement
2. Research Development
3. Research Highlights
4. Organizational Chart
5. Graphs and Charts
6. Other Projects:  
Workshops and Conferences  
Research Experiences for Graduate Students – Dissertation Projects  
Public Service and Other Activities
7. Center Reports
8. Research in Progress
9. Space Allocation
10. Publications and Presentations
11. Statistical Summary
12. Principal Investigators
13. Unit Participants
14. ISBER Advisory Committee, Administrative, and Technical Staff



# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

## Director's Statement 2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

**Director's Statement**  
**July 1, 2016 – June 30, 2017**

**1. Background and Mission**

ISBER's heritage dates to the 1970s when UCSB established an ORU for the social sciences. ISBER now provides the intellectual and administrative home for research in the social sciences. ISBER's mission statement is as follows:

ISBER's primary mission is to facilitate and enable social science research. This is accomplished by providing: 1) efficient pre-award through post-award grants administration, 2) research development assistance and stimulation through consultations and a small grants program, and 3) high level research services that are most efficiently delivered through an ORU to a broad audience of faculty, researchers, and graduate students. ISBER also fosters and supports topical research communities in the form of several research centers, programs, and outreach activities housed within the unit.

The 2016-17 academic year was a period of transitions. Two of the key nodes of decisions making for research in the social sciences -- the Social Science Dean's Office and the Office of Research -- were occupied by interims while searches commenced for a new Dean and new Vice Chancellor of Research. I served on both search committees, was impressed with the strong pool of candidates, and can state that the new appointments -- Joe Incandela and Charles Hale -- will provide excellent leadership for the campus and the social science research community in particular. While those searches were commencing, and as much as I would have enjoyed working with Joe and Charles, I was also faced with my own transition back to the Department of Geography to serve as chair after serving as the director of ISBER for the past five years.

My legacy at ISBER includes: 1) working with faculty from economics and OIT to create a secure computing server that subsequently won awards and has become a campus-wide model; 2) closing the Benton Survey Center and replacing those services with a Qualtrics license for L&S (yielding a substantial annual savings for the Dean's office and stimulating a sharp increase in campus-wide survey usage); 3) establishing and executing a protocol for review of ISBER Centers (leading to the closure of some and invigoration of others); 4) creating a centralized ISBER staff person responsible for Center activities to replace fractional staff positions within centers (which provides greater stability and less turnover moving forward); 5) changing the seed grant program (SSRGP) to require subsequent submission of an

extramural proposal, and expanding program funding by 50% (with buy-in from the MLPS, HFA, and Bren Deans) to cover social scientists with appointments outside the Social Science Division; and 6) working with the Director of Research Development to rewrite the social science RD position description to include performance targets and a series of targeted to general mixer/outreach activities during each year. Finally, I prepared for, and responded to, the first external review of ISBER since 1998. Several of the recommendations coming out of the review have already been satisfied but there remains plenty of room for the next ISBER Director, Stuart Smith, to continue to refine and develop the services and intellectual context provided by ISBER.

The remainder of this report provides details on the research portfolio managed by ISBER, research development activities, and some accounting of the constituency we have served over the past year. For the financial picture, comparisons throughout are to prior year activities.

## **2. Grants Administration at ISBER**

A descriptive picture of ISBER's **2016-2017** grants administration is provided by the following statistics. For purposes of comparison, last year's figures are in parentheses:

- ISBER supported **107** (100) PIs and co-PIs on the projects it administered.
  - ISBER administered **253** (246) projects, including **101** (104) extramural projects, and **152** (142) intramural projects, programs, seed funding, conferences and other projects.
  - The total value of new awards for the year was **\$4.4 million** (\$4.5m).
  - The total value of all funds administered, including multi-year grants administered was **\$23,710,415** (\$25,129,629).
  - ISBER submitted **98** (92) proposals for funding and **61** (72) were from ladder faculty.
  - The value of the proposals submitted was **\$15.7 million** (\$25.5m).
  - The number of PIs new to ISBER was **27** (38), **17** (26) of which were ladder faculty.
- ISBER submitted **7** (5) graduate student proposals.

## **3. Research Development at ISBER**

ISBER serves the campus both through grants administration and through its research development programs. The ISBER grant programs not only enhance the research mission for the campus, but also reflect ISBER's role in promoting

social science and serving social science researchers.

ISBER offers significant service to individual faculty in the pre-proposal stage, both in working directly with researchers to help them formulate projects, and to identify potential funding sources and development of proposals. Graduate students are also the beneficiaries of ISBER's research development support. Services provided include training in electronic funding searches targeted to specific research projects, funding opportunity advice and dissemination, conceptualizing and designing consultation for project development, and detailed proposal consultation.

ISBER administers the Social Science Research Grants Program (SSRGP). The ISBER Director manages the selection committee and makes all decisions regarding NCE or post-award budget requests. This is an important research development activity that is intended to provide seed funding for new research, proof of concept funding for intellectually risky research, and is particularly targeted to junior faculty. Awards are made on a competitive, peer-reviewed basis with the review committee composed of senior social science faculty who have successful extramural funding track records. For the 2016-17 proposal round the committee was composed of Michael Gurven (Anthropology), Hahrie Han (Political Science), Nelson Lichtenstein (History), and Simone Pulver (Environmental Studies). In **2016-17**, the SSRGP received **12** (14) proposals from social science and other faculty, requesting **\$87,176** (\$108,957) in support. We awarded **9** (8) grants to faculty members in **7** (6) departments. Award sizes ranged from \$3,500 to \$8,000. 6 of the 12 proposals were from junior faculty and five (5) received awards.

Also, please see details on further research development activities provided by Dr. Barbara Walker in the next section of the report.

#### **4. ISBER'S Support of the UCSB Community**

Although ISBER is nominally the campus's social science ORU, in fact it serves the entire campus community. During the past year, ISBER had **297** *paid* employees engaged in research or supporting ISBER's research mission. This included **63** faculty members receiving summer salaries or course release, **18** academic coordinators or others receiving administrative stipends, **8** professional researchers, **2** research specialists or project scientists, **8** postdoctoral scholars, **94** graduate students, **59** undergraduate students (as well as **371** unpaid volunteers or interns), **11** technical staff and **34** administrative staff. This year, there were an additional **15** persons from outside UCSB participating in ISBER-managed UCSB projects.

During the past year **62%** of its **107** faculty members with awards administered by ISBER were members in the Social Science Division of the College of Letters and Science. ISBER researchers come from **37** different departments in all three divisions of the College, including:

Anthropology	History
Asian American Studies	History of Art & Architecture
Bren School of Environmental Science and Management	ISBER
Chemical Engineering	Linguistics
Chemistry & Biochemistry	Materials Research Lab
Chicana/Chicano Studies	Office of the Dean of Students
College of Engineering	Office of Education Partnerships
Communication	Political Sciences
Computer Science	Psychological & Brain Sciences
East Asian Languages & Cultural Studies	Recreation
Ecology, Evolution & Marine Biology	Religious Studies
Economics	Sociology
English	Statistics & Applied Probability
Environmental Studies	Student Affairs
Feminist Studies	Summer Sessions
Film & Media Studies	Technology Management Program
Geography	Writing Program
Gevirtz Graduate School of Education	Women's Center
Global & International Studies	

Even this diverse picture is not an accurate reflection of ISBER's scope, since numerous projects include many additional participants. Among the **140** Principal Investigators that ISBER assisted throughout the year (with proposals & awards), **107** are active ladder faculty serving as PIs and co-PIs. Of those **21%** (18%) are at the Assistant Professor rank, **24%** (15%) at the Associate Professor rank, and **62%** (67%) at the Full Professor rank.

ISBER continues to provide grants administration support to programs funded to increase campus undergraduate and graduate diversity, and student counseling and advocacy support services. The McNair Scholars Program failed to receive renewal funding from the DOE in 12/13, but the program has continued to

receive generous support from the Office of the Executive Vice Chancellor and from gifts provided by Southern California Edison. The current commitment from the campus goes through 17/18, and a new extramural proposal was submitted to the DOE in April 2017 and was awarded September 2017. Additionally, ISBER entered the 9th year of grants administration for the campus Office of Education Partnerships, which serves UCSB's mission to promote academic success and increase college-going rates among pre K-20 students in our region. The Office of Education Partnerships provides an intensive network of academic, social, and career exploration services for students who will be the first in their families to attend college. Over \$1.3 million in financial support for these programs included grants from UC MESA, Engineering Information Foundation, Tides Foundation, and Ventura County Community College District. ISBER also provides grants administration support to the Division of Student Affairs, including support for the Women's Center, Student Health, Recreation, and Counseling and Psychological Services. With \$908,729 of support from the Department of Justice, the Department of Education, and the CA Department of Boating and Waterways, these projects provide the campus student body with education and training opportunities. These include, education on rape prevention and advocacy, counseling and mental health services, and sailing and boating safety training for participants of UCSB's Sailing program.

The range and diversity of ISBER's clientele are matched only by the wide-ranging number and variety of its funding sources. During the past year ISBER managed funds from a total of 77 different funding sources as well as various royalty and gift accounts. These included:

- 15 different governmental sources, including 9 federal agencies National Endowment for the Humanities; NIH: National Institute of Aging; Department of Health and Human Services; US Department of Education (including USDE McNair, USDE Upward Bound, and Elementary & Secondary Education); US Department of Justice; National Science Foundation; as well as the California Department of Boating and Waterways; California Department of Health; California Employment Development Department; Department of Interior; Smithsonian Museum; Southern California Edison; and State of California.
- 39 different private foundations and other private sources, including the American Association of Physical Anthropologists; American Psychological Association; Andrew Mellon Foundation; Association for Asian Studies (NEAC); Best Buy; California Humanities; Carnegie Corporation; Center for Community Change; Chiang Ching-kuo Foundation; Elsevier Foundation; Engineering Information Foundation; Ewing Marion Kauffman Foundation; Ford Foundation; Greater Santa Cruz County Community Foundation; Harry



Frank Guggenheim Foundation; Haskins Laboratories, Inc.; Institute for Advanced Study; Jack Kent Cooke Foundation; Japan Foundation; Kellogg Foundation; L&M Policy Research, LLC; Laura and John Arnold Foundation; National Bureau of Economic Research, Inc.; New Venture Fund; NOVA; Open Society Institute; Russell Sage Foundation; SevenOne Media; SHRM Foundation; Society of Family Planning; Three Cubed, Inc.; Toshiba International Foundation; Tuohy Foundation; Ventura County Community College District; Verizon Foundation; Wenner Gren Anthropological Foundation; WGBH Educational Foundation; and the White House Correspondents Association.

- 12 University of California sources, including 3 at UCSB (UCSB Academic Senate; EVC's Office; and Social Science Research Grants Program), 6 UC Systemwide sources (UC Agriculture & Natural Resources; UC Historically Black Colleges and Universities Initiative; UC MESA, UC Mexus; UC Humanities Research Institute; and UCLA Institute for Labor and Employment), and 3 individual campus' (UC Berkeley; UC San Diego; and UC Santa Cruz).
- 3 foreign sources, including SOAS, University of London; University of Ottawa (Canada); and Upsalla Universitat, Sweden.
- 8 other college and university sources, including College of William & Mary; South Dakota State University; University of Maryland; University of Michigan; University of Notre Dame; University of Pennsylvania, University of Pittsburgh, and Yale University.

## 5. Conclusion

I thoroughly enjoyed my years working at ISBER. I will miss working with the excellent staff at ISBER and the Office of Research, and serving the talented pool of social science faculty and researchers.



Stuart Sweeney  
ISBER Director



# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

Research Development  
2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

## **Research Development in ISBER** **July 1, 2016 – June 30, 2017**

Dr. Barbara Walker provides Research Development (RD) services for the Social Sciences. She coordinates her services with the Office of Research and ISBER.

ISBER welcomed 26 new researchers in 2016-2017 who either submitted proposals or administered grants for the first time through our ORU. These included 7 assistant professors, 1 associate professor, 9 full professors, 6 graduate students, and 3 other researchers. These scholars came from 5 social science departments and 12 other departments (Anthropology, Chemistry & Biochemistry, Chicano/a Studies, Communication, Environmental Sciences, Film & Media Studies, Gevirtz Graduate School of Education, History, History of Art & Architecture, ISBER, Linguistics, Political Science, Psychological & Brain Sciences, Sociology, Statistics & Applied Probability, Summer Sessions, Technology Management Program, and the Writing Program).

Research Development Services provided include:

- Proposal review (intensive critique of proposal content and aspects of research design and methods, detailed and often repetitive editing and commentary on proposals in all stages of development);
- Consultation about proposal writing, longer term research and publication planning, identifying and building collaborative teams, information about funding agencies, and provision and analysis of sample successful proposals;
- Funding searches and funding search engine training;
- Workshops on various research development topics and funding agencies, guest lectures, and an annual faculty grant writing seminar; and
- Long-term strategic initiatives and planning for future funding opportunities.

During 2016-2017, Dr. Walker provided proposal review services to 37 social science faculty members, from across the Division of Social Science, and including social scientists who work in other Divisions at UCSB, including the Bren School, Geography, the Writing Program, and Linguistics. This work consisted of consultation on 39 research proposals, to the following agencies and foundations:

- Andrew Carnegie Fellows Program
- California Institute for Water Resources
- EPA Anticipating the Environmental Impacts and Behavioral Drivers of Deep Decarbonization
- Fall 2016 Collaborative Multi-Racial Post-Election Survey (CMPS)
- Force for Change Foundation
- Global Religion Research Initiative
- Guggenheim
- Interdisciplinary Humanities Center Grants
- UCSB Academic Senate

- ISBER Social Science Research Grant Program
- Kellogg Foundation
- Mellon Sawyer Seminar
- UC Multi-Campus Research Program Initiative (MRPI)
- NEH Fellowship
- NEH Summer Institute
- NEH Summer Stipend
- National Science Foundation
- Research Program on Migration and Health
- Russel Sage Foundation
- Swedish Collegium for Advanced Study General Residential Fellowship Programme
- UC MEXUS Collaborative Grant
- UC President's Faculty Fellowship
- UC Humanities Research Institute Grant
- William T. Grant Scholars Award

Dr. Walker also provided several proposal development workshops, as follows:

<b>Date</b>	<b>Department</b>	<b>Title</b>
<b>Summer 2016</b>	SS-HFA	Summer Proposal Writing Roundtables
<b>10/3/2016</b>	Sociology	Guest Lecture on proposal searches and proposal writing
<b>10/11/2016</b>	SS - HFA	PIVOT Funding Search Workshop
<b>10/14/2016</b>	Feminist Studies	Introduction to Proposal Writing
<b>10/19/2016</b>	Global and International Studies	Introduction to Proposal Writing at UCSB
<b>10/24/2016</b>	All Campus	NSF ADVANCE Grant Workshop
<b>10/28/2016</b>	SS	Proposal Writing 101
<b>12/1/2016</b>	All Campus	"Developing and Fostering Successful Collaborations," UC Santa Barbara Seminar Series on Research Ethics.
<b>12/2/2016</b>	All Campus	Funding for Hispanic Serving Institutions
<b>1/18/2017</b>	Geography	Graduate School Funding 101
<b>1/19/2017</b>	SS - HFA	Sawyer Seminar
<b>2/22/2017</b>	SS - HFA	Foundation Funding
<b>2/26/2017</b>	SS	National Science Foundation Grants
<b>3/8/2017</b>	All Campus	Social Science Collaboration Mixer
<b>3/9/2017</b>	SS	Tools for Collaboration Across Disciplines
<b>3/10/2017</b>	CBSR-Black Studies-ASAM-CSI-FemSt-Chicanx Studies	Academic Senate Grant Workshop and Writing Retreat
<b>4/13/2017</b>	All Campus	Health Social Science Lunch
<b>5/31/2017</b>	SS-HFA	SSRGP Investigator Recognition Lunch
<b>6/2/2017</b>	All Campus	Proposal Writing Retreat
<b>April – May, 2017</b>	SS-HFA	Proposal Writing Seminar Series
<b>6/26/2017</b>	SS-HFA	Summer Plan Webinar and Discussion



# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

## Research Highlights 2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

**RESEARCH HIGHLIGHTS**  
**July 1, 2016– June 30, 2017**

**AHUJA, AMIT**

*SSRGP: “The Political Consequences of Skin Color in a Multicolored Democracy”*  
Research is ongoing in India. We have collected data on the skin tone of local representatives across wealthy, middle class, and poor localities. We have also conducted one-on-one interviews to find out how and why skin tone matters in people's lives.

**ANDERSON, SARAH**  
**MILDENBERGER, MATTO**

*Academic Senate: “The UCSB Environmental Values and Opinion Panel”*  
We applied for an extension to the grant, which was given because of delays in project execution. We spent the year in a protracted negotiation with one of the research support vendors to secure a service agreement contract with UCSB. This came through in April, and we have spent the last two months securing the remainder of our service agreements with other vendors. We now expect to initiate the research proper in early September.

**BELTZ, GLENN**  
**CASTELLANOS, MARIO**

*UCOP Mesa Programs (MEP and MSP, “Google Cascade the Code”)*  
*Engineering Information Foundation: “Engineering is for Women: Building Excitement Sustaining Enthusiasm”*

The Mathematics, Engineering, Science Achievement (MESA) Center at UCSB directs two MESA Programs: the pre-college MESA Schools Program (MSP) and the UCSB undergraduate MESA Engineering Program (MEP). At UCSB, these two MESA programs, and their ancillary projects and affiliations, have been closely aligned historically and practically. UCSB MESA's programs are actively involved in K-12 outreach. There has been a long-standing effort at UCSB to prepare and motivate pre-college (MSP) students for STEM studies, and to retain and continue supporting STEM students through the baccalaureate degree and on to graduate studies or careers. Strong ties continue between MEP and both Los Ingenieros and NSBE student organizations, both organizations emphasizing outreach to MSP students and the development of cohorts from MESA schools to MEP at UCSB. This K-20-alumni loop, which attracts mentors and replenishes the college-going pool, is particularly effective with first-generation and underrepresented students, especially in rigorous and historically exclusive STEM fields.

The UCSB MESA Center has continued to adjust the MESA programs in response to and collaboration with school districts, school site administrators, advisors, and partnering programs, despite the financial challenges that our center and partner schools have faced. With the continued demands for academically prepared and college-oriented students (especially in STEM fields), UCSB MESA remains a prestigious, sought-after program and partner. Despite personnel and program transitions, budget challenges, and increased accountability, UCSB MESA has endured for over 40 years.

UCSB MESA celebrated its seventh year under the Office of Education Partnerships (OEP), as the official program partner and administrative unit. The MESA program is run under the guidance of the OEP K-12 Programs Director and MESA Director, Dr. Micaela Morgan. Dr. Glenn Beltz, Associate Dean for Engineering Undergraduate Programs, continues to provide programmatic oversight and assistance as MESA's Principal Investigator, working closely with the Co-Principal Investigator Mario Castellanos, Executive Director of UCSB's Office of Education Partnerships. The partnership has allowed MESA to increase its involvement and development of academic preparation and retention partnerships and initiatives (e.g., Pathways Program and UCSB-Smithsonian Scholars Program). Working in this education milieu that is focused on college readiness for first-generation and underrepresented students, MESA's link with OEP increases the opportunities to share information, resources and staff support (e.g., support from both an Evaluations Coordinator and Grant Writer, and collaboration with OEP Coordinators).

The Oxnard Area has benefited from a location Coordinator since 2013. Our Oxnard Area Coordinator has had an impact and increased number of Oxnard students participating in MESA. Two new school sites in the Rio School District were added in the 2016-17 AY. As of 2014, a Regional MESA Coordinator has served our other K-12 schools in Santa Barbara County and Santa Paula schools in Ventura County. This local coordinator also serves as a liaison between the pre-college MSP programs and the undergraduate MEP program, plus linking with MESA alumni.

Some additional specific highlights for the UCSB MESA Programs in 2016-17 include, but are not limited to:

- The addition of two new MESA school sites in the Rio School District.
- Greater collaboration with other programs, such as the UCSB Pathways Program.
- Greater ability to monitor student's "a-g" (UC and CSU) eligibility with the Transcript Evaluation Service (TES) available in all our MESA high schools.
- Hosted an Achieve UC student and parent dinner on November 4, 2016 in collaboration with the UCSB Pathways Program.
- Hosted multiple TES/college readiness student-parent events with OEP.
- With OEP's assistance, provided college visits for senior students and parents to visit the colleges the students would be attending fall 2017.

- Over 200 UCSB undergraduates and UCSB MEP/LI/NSBE/SACNAS students help plan, organize, fund, run, volunteer and mentor students at the 2017 Science and Technology MESA Day on March 4, 2017.
- We taught Java introductory programming classes so students could learn to code in the Oracle Greenfoot game in summer academies at Santa Paula High School and Oxnard High School.

MESA SCHOOLS PROGRAM (MSP) assists pre-college students at middle and senior high schools so they excel in math, engineering, and science and become competitively eligible for the most rigorous colleges and universities. The MSP partners with teachers, administrators, school district officials and industry representatives to provide this academic enrichment model. Students are selected to participate in the MSP through a process that involves teachers at participating schools and UCSB MESA personnel. Main components of the MSP include: Individual Academic Plans, study skills training, MESA Day (STEM) Academies, career and college exploration, parent leadership development, MESA periods and programs, and teacher/advisor professional development opportunities. In 2016-17, the UCSB MSP served a total of 18 schools in seven districts reaching 703 students in Santa Barbara and Ventura Counties.

MESA ENGINEERING PROGRAM (MEP) is a retention and graduation support program for educationally disadvantaged undergraduate students to attain baccalaureate degrees in engineering, math, science or computer science. The MEP's rigorous academics, leadership preparation, and collaborative problem-solving training produce highly skilled graduates who meet industry's technology workforce needs and who help drive the state's economy. The MEP establishes a peer community for its students, most of whom are first in their family to go to college, with resources, mutual support, and motivation. This academic peer community is a major element that sets MEP apart from other programs. Staff and faculty work together to increase students' awareness and access to graduate degree programs, and to promote community service through outreach events and mentoring. Main components of the MEP include: academic excellence workshops, orientation sessions for freshmen and transfers, study skills, research and undergraduate support programs, career advising, links with professional organizations, professional development workshops, and an Industry Advisory Board. Given the state budget cutbacks, MEP centers receive the majority of funds from their host institutions and additional support from local industry partners. MESA provides partial funding, internships, and scholarship opportunities. The UCSB MEP program served 67 undergraduates during the 2016-17 AY.

MESA Projects:

- CMSP16 – UC MESA – UCSB 2014-2017 MESA Schools Program (MSP)
- CMSP17 – UC MESA – UCSB 2014-2017 MESA Schools Program (MSP)
- CMSP18 – UC MESA – UCSB 2017-2020 MESA Schools Program (MSP)



MESA's mission is to create opportunities for educationally disadvantaged students, especially those from groups with low participation rates in college, to prepare for and enter professions requiring degrees in engineering and other mathematics-based scientific fields. UCSB's MESA vision is to promote inclusive and adaptive initiatives and partnerships with university, school, community, and educationally supportive programs, which share goals and approaches that are consistently complementary to MESA's mission, so that more educationally underserved students are inspired to pursue, persist, and achieve math, science and engineering qualifications and careers.

The UCSB MESA-MSP Program collaborates with school districts, site administrators, advisors, and partnering programs. With the continued demands for academically prepared and college-oriented students (especially in STEM fields), UCSB MESA remains a prestigious, sought after program and partner.

MMEP16 – UC MESA – UCSB 2015-16 MESA Engineering Program (MEP)

MMEP17 – UC MESA – UCSB 2016-17 MESA Engineering Program (MEP)

MMEP18 – UC MESA – UCSB 2017-18 MESA Engineering Program (MEP)

Our MESA-MEP Center encourages a smooth transfer process for undergraduate MEP students from community college to (and through) UCSB. We recognize that this requires an effort to reach programs and students beyond the immediate Central Coast, which requires an ongoing dialogue with the directors of the MESA Community College Programs (MCCPs) so they are aware and can direct their potentially interested students to UCSB. UCSB MESA Center and staff are well-known as collaborative, open and helpful to students. Communication with other MESA centers enhances this connection, and has been reinforced through a MESA-HSI Regional Alliance. Relationships between all local MCCPs (Ventura College, Santa Barbara City College, and Alan Hancock) , in addition to Oxnard College through the HSI STEM Center, have increasingly strengthened, in part due to MCCP-to-MEP alumni links, and as a result of concerted efforts by the directors.

CLMEIF – Engineering Information Foundation – Engineering is for Women:  
Building Excitement Sustaining Enthusiasm

Our MESA Center started this engineering information and outreach program for first-generation college-bound junior high girls and their mothers (or significant adult female home models) in 2015. Prospective participants attended Science & Technology MESA where they participated in a How to build a Speaker workshop hosted by the MEP female mentors. Working consistently with the UCSB MEP female mentors and activity facilitators, the program will intensify in fall 2015 through campus and lab visits, workshops, hands-on activities, and connections with female engineering students, faculty, staff, and professionals. MEP mentors will also visit and mentor the young girls (and, for special occasions, their mothers) at the local school sites.

CMLGEP – MEP Google Cascade the Code  
CMLGSP – MSP Google Cascade the Code

For the 2016-17 AY, our MESA Center received funding to support additional programming that focused on building student’s coding skills. This funding allowed our program to provide additional computer science (CS) support to our school sites by hosting workshops and funding MEP student assistants to aid our MESA coordinators in providing more hands-on CS support. Through this project we provided a cryptography workshop at S&T MESA Day titled “Cracking the Code” hosted by our computer science faculty member Dr. Stefano Tessaro. This session was well attended and we received excellent feedback. At the 2017 MESA Regionals at UCSC we utilized these funds to do a CS workshop titled “MakeyMakey your Imagination come to Life” where MEP student assistants worked one-on-one and in small groups with MESA students ranging in age and CS ability. During this workshop, we utilized MakeyMakey kits to let students use their imagination to develop a control board out of a variety of conductive materials that would be used to operate a game in scratch that they created.

## **BUNTAINE, MARK**

### *Hellman Fellowship Award*

My fellowship research focused on how a major municipal government (the Kampala Capital City Authority in Uganda) could launch a successful citizen-reporting platform to manage solid waste more effectively. While governments are using new technologies to manage public services around the world, surprisingly few studies offer reliable evidence about whether citizen engagement with governments using these technologies can facilitate regular, high-quality, and useful feedback on public services.

Working together with the Kampala Capital City Authority, I designed and launched a city-wide randomized field experiment to test how to motivate citizens to contribute information about their experiences with services. We recruited 1,905 Kampala residents to report on solid waste services in two ways: random door-to-door recruitment and recruitment by community leaders. Next, we asked community leaders in some neighborhoods to make announcements about the platform and the work of reporters. Finally, we worked with the KCCA to implement a responsiveness treatment where residents received weekly messages about how the KCCA was using their reports to improve waste management.

The results of the study are striking and potentially of broad importance to governments looking to incorporate technology into the management of public services. While recruitment or announcements by community leaders did not boost participation, the responsiveness treatment almost doubled on-topic, useful reports about waste services. This result indicates that governments need to do more than just invest in new tools; they need to build trust and let citizens know exactly how

they are using those new tools to improve services. This result is the subject of the attached paper, which we recently submitted to a leading journal for review. All of the details of the study are described in this paper.

The fellowship has been important for securing additional funding. Based on the promise of this citizen-reporting platform — with 6,883 unique reports received by the KCCA during the fellowship research — I received an additional grant of \$125,000 to test how citizen engagement improves solid waste management across Kampala. The Hellman Fellowship provided the springboard for launching this broader research program.

*College of William and Mary: “Harnessing the Crowd to Improve Accountability for the Delivery of Public Services”*

Based on initial results from the first phase of this grant from the College of William & Mary, I received an extension to pursue a full-scale impact evaluation of citizen monitoring on waste services in Kampala. During this year, we systematically measured unmanaged waste piles in 200 zones across Kampala, visited them again several months after the intervention, and planned for the endline data collection wave to take place in late-summer 2017.

*National Science Foundation: “Collaborative Research: An Experimental Test of the Impacts of Transparency by Government”*

During this academic year, with NSF support, we launched the “accountability” phase of our broader project. As part of this phase, we will share information with residents near Bwindi National Park about their approved revenue-sharing program, collect information from residents about the delivery of programs, and transmit that information to public officials to test whether monitoring can improve the implementation of revenue-sharing programs.

- Recruited an additional ~3,000 subjects to participation in monitoring revenue-sharing programs;
- Switched to the VOTO platform, which allows us to connect with residents nears Bwindi National Park using recorded voice messages, with increases the specificity of information that can be sent;
- Launched a new phase of the project whereby approved projects are routinely monitored by residents who live near the park;

*UC Berkeley: “Repairing Information Underload: The Effects on Vote Choice of Information Regarding Politician Performance & Public (Wellspring)”*

We finished analysis for several of the papers that have come out of this project funded by UC Berkeley, presented the results at professional meetings for feedback, and began the process of submitting manuscripts for publication, several of which are currently pending. We worked with other teams that are part of this initiative of coordinated field experiments to work toward integrated write-up of the results. All of the field components of this research and data collection were completed in previous years.

*University of Notre Dame: "Expanding the Reach of MERL"*

We have held various meetings with USAID offices and bureaus in this preparation phase of the cooperative agreement with the University of Notre Dame in an attempt to co-design longer-term collaborative projects. Buntaine has participated in numerous conference calls with offices around the world to explore ideas and travels to Uganda during December 2016 to meet with the USAID missions based at the embassy. At this point, no direct follow-up project has been agreed, but our work has generated a number of interesting possibilities for the coming year.

*ISBER/SSRGP: "Does Transparency Mobilize Citizens and Decrease Corruption? A Field Experiment with Revenue-Sharing Funds in Bwindi National Park"*

With funding from the UCSB Social Science Research program we finished data collection and analysis for the "planning phase" of the project. Partially supported by this award, we:

- Assigned half of villages near Bwindi National Park to a condition where recruited residents received information about how and when they could participate in revenue-sharing.
- Delivered more than 60 messages over 8 months
- Measured how this kind of information changed participation and attitudes of local residents about the park;
- Wrote up the analysis for submission to the journal World Development;

**BUCHOLTZ, MARY**

*UC Humanities Research Institute: "Language in Latino Lives on California's Central Coast"*

Highlights include:

- UCSB Day Feb. 28, 2017: Hosted nearly 200 K-12 students at UCSB.
- SKILLS Day May 22-23, 2017: Hosted nearly 200 K-12 students and 300 audience members at UCSB.
- Served nearly 200 K-12 students through the SKILLS outreach program in 11 classrooms at 6 schools/organizations in 3 cities.
- SKILLS Nights May 30-31, 2017: Provided showcase for highlights from SKILLS Day at three partner public libraries for over 200 attendees
- SKILLS exhibits June 1-30, 2017: Displayed SKILLS students' work at three partner public libraries for over 1000 members of the general public.
- Grant provided foundation for successful Cal Humanities grant for next year's activities (Bucholtz, PI).

*Academic Senate: "Language in Latino Lives in California's Central Coast"*

Highlights include:

- SKILLS Nights May 30-31, 2017: Provided showcase for highlights from SKILLS Day at three partner public libraries for over 200 attendees

- SKILLS exhibits June 1-30, 2017: Displayed SKILLS students' work at three partner public libraries for over 1000 members of the general public.

**BUCHOLTZ, MARY**  
**LOVE-NICHOLS, JESSICA**

*UC Mexus: "Orgullosamente Indígena: Creating Sociolinguistic Justice through Collaborative Activism"*

The short film, *Orgullosamente indígena*, was screened locally many times, and was very well received by the community. In addition, the results of the research project were presented in collaboration with Mary Bucholtz, Katie Lateen-Jan, and Anna Bax at the Linguistics Society of American Annual Meeting as part of a panel entitled "Language and Educational Justice: A Dialogue between Linguistics and Linguistic Anthropology." They were also presented as part of an invited presentation (with the members of the Tequio Youth Group) at the 17th Lusophone and the Hispanic Graduate Student Conference at the University of California, Santa Barbara.

**CASILLAS, DOLORES INÉS**

*Academic Senate: "Do-It-Yourself Spanish: An Analysis of Media Interventions in Language Learning"*

Submitted a book for publication with co-authors "Feelin' It: Language, Power and Learning in High School Classrooms," Routledge Press. Also submitted a Chapter for *Language & Social Justice: Case Studies on Communication and the Creation of Just Societies* "California Latina/o Youth as Agents of Sociolinguistic Justice," Routledge Press.

**CASTELLANOS, MARIO**

*Ventura County Community College District: "Ascension: Articulating STEM Cooperatives to Enhance Needs, Success, Integration, Outcomes and Networking"*

The primary focus of the HSI STEM III sub-award to UCSB, titled ASCENSION via Oxnard College's STEM Center's HSI STEM award is to forward shared goals of increasing the number of Hispanic and other underrepresented, low-income students who attain degrees in a STEM discipline. UCSB institutional partners who participated in the ASCENSION (HSI-STEM) project in Year 5 included, the Office of Education Partnerships, the Center for Science Education Partnerships (CSEP), and the UCSB MESA Program.

Office of Education Partnerships (OEP): The Executive Director provided oversight of the sub-award coordination and oversight including: partnership coordination and development, reporting, budget management, and data collection, analysis and reporting of services to support project evaluation.

Dr. Lisa Rodriguez (UCSB OEP) worked closely with Gevirtz Graduate School of Education students, Vanessa Witenko and Hala Sun, to coordinate and provide program evaluation support to Oxnard College Principal Investigator (Dr. C. Herrera) and the OC STEM Director (Dr. E. Gonzalez).

Evaluation support included 2016 Summer Bridge Program: Pre-Engineering, Marine Center, Bio-Tech, SAGE/Go Green, UCSB CSEP's Condor Tech, Biology Research, and FYE Discovery Week.

Center for Science and Engineering Partnerships (CSEP) - California NanoSystems Institute (CNSI)

Condor Technology Internship Program Overview - The Center for Science and Engineering Partnerships (CSEP) in partnership with Oxnard Community College hosted the Condor Technology Internship Program (CTIP) at UC Santa Barbara in the summers of 2016.

#### Programmatic Objectives

There were a number of program objectives/goals that the program directors set to achieve through the CTIP. Through direct consultation with the program director and other program affiliates, the following immediate objectives were determined:

1. Expose students to scientific research
2. Increase students' confidence in conducting scientific research
3. Improve students' ability to articulate scientific information
4. Expose students to careers within the STEM disciplines
5. Enhance students' team-building, problem-solving, and critical-thinking skills
6. Expand students' social and professional network within and beyond their campus
7. Provide students with a network of individuals who have similar academic and professional objectives
8. Encourage students to pursue advanced educational degrees

#### Highlights:

As part of project ASCENSIÒN's partnership with UCSB, Oxnard College students were invited to apply to the CTIP. After a selective application process, 17 students from Oxnard College were initially chosen to participate in the program. The main focus of the program was to provide students with practical research experience. Throughout the two-week summer program, Oxnard College students, under the guidance of UCSB graduate student researchers who specialized in various STEM disciplines, conducted research on topics within the disciplines of physics, earth sciences, biomolecular sciences and engineering, and electrical and computer engineering. Students' culminating project was to formally present the research they conducted to friends, family, and other Oxnard College and UCSB community members. In addition to gaining hands-on research experience, students explored UCSB's campus and departments, attended workshops on the transfer process, met with UCSB faculty, and engaged in skill- and team-building exercises with other

program participants. Projects and interns, mentors, and faculty advisors are listed here: <http://condor-csep.cnsi.ucsb.edu/projects>

Program Evaluation conducted by UCSB's Office of Education Partnerships:  
[http://www.oxnardcollege.edu/sites/default/files/files/departments/academic/stem/condor\\_technology\\_internship\\_program\\_9.2016\\_final.pdf](http://www.oxnardcollege.edu/sites/default/files/files/departments/academic/stem/condor_technology_internship_program_9.2016_final.pdf)

UCSB's Math, Engineering, Science Achievement (MESA): Support was provided to UCSB's OEP to coordinate the MESA Program in the Oxnard intermediate and high schools; provide undergraduate student mentorship to community college students and MESA participants; provide students and their families with college going workshops including: college admissions, financial aid, test preparation information services; and individual student advising.

The MESA Schools Program (MSP) assists pre-college students at middle and senior high schools so they excel in math, engineering, and science and become competitively eligible for the most rigorous colleges and universities. The MSP partners with teachers, administrators, school district officials and industry representatives to provide this academic enrichment model. Students are selected to participate in the MSP through a process that involves teachers at participating schools and UCSB MESA personnel. Main components of the MSP include: Individual Academic Plans, study skills training, MESA Day (STEM) Academies, career and college exploration, parent leadership development, MESA periods and programs, and teacher/advisor professional development opportunities.

Partnership Development (Key meetings and presentations to increase visibility of MESA and other STEM-related campus and community resources):

UCSB OEP utilized the common goals of the Dept. of Education HSI Title III award and the model of MESA Regional Alliance, to establish a Regional Alliance of HSI's. Established in 2014, the Regional Alliance of Hispanic Serving Institutions of Santa Barbara and Ventura Counties (HSI Regional Alliance) is a collaborative of higher education program representatives, program administrators, campus faculty, and student support practitioners. The collaborative meets quarterly to share best practices, discuss current and potential intercampus and system collaborations, and promote initiatives that aid student success for underserved and economically disadvantaged students from kindergarten through graduate school.

Current participating institutions and programs include:

- UC Santa Barbara: Office of Education Partnerships, College of Engineering, Center for Science Engineering Partnerships
- Santa Barbara City College: HSI STEM Center, MESA Community College Program
- Ventura College: Title V HSI Program, MESA Program, Transfer Center
- Oxnard College: HSI Title III - STEM Center
- Hancock College: STEM Center
- California State University Channel Islands: Santa Rosa Island Field Station

Website link: <https://oep.ucsb.edu/programs/hsi.regional.alliance/>

**CHAVEZ-GARCIA, MIROSLAVA  
BERMUDEZ, ROSIE**

*UC Mexus: "Chicana Welfare Rights: Alicia Escalante and the East Los Angeles Welfare Rights Organization, 1967-1974"*

In May 2017 I traveled to Smith College in Northampton, Ma. to review the Guida West Papers located in the Sophia Smith Collection. West's papers were important for me to consult given that she was one of the first scholars to produce scholarship focused on the National Welfare Rights Movement. In June of 2017 I traveled to Madison, Wisconsin to visit the Wisconsin Historical Society to review the George Wiley papers. Wiley was a founder of the National Welfare Rights Organization and his papers provided a wealth of information.

**COLLINS, NANCY**

*UCSB: "Quantitative Methods in the Social Sciences" (QMSS)*

QMSS is an interdisciplinary Ph.D. emphasis that serves ten departments, across three divisions/schools (Letters and Science, Social Sciences, and the School of Education). Each quarter we host an interdisciplinary speaker series that is open to all members of the campus community. The speaker series also serves as our educational seminar for QMSS students (who register for the course as part of their QMSS requirements). The speaker series is designed to introduce the campus community to the newest quantitative methods used across disciplines and to foster interdisciplinary connections and collaborations. Speakers include outside visitors from across the country, UCSB faculty and postdocs, and QMSS students. In addition to talks, we also offer longer workshops on particular quantitative methods as well as community/program building activities (e.g., we host an Open House every fall and a Social Hour in the spring to celebrate graduating students).

During the 2016-2017 school year, the QMSS speaker series was hosted in three Departments: Psychological and Brain Sciences (fall), Education (winter), and Communication (spring). The speaker series included 12 talks from scholars across multiple disciplines (Psych and Brain Sciences, Communication, Education, Counseling and Clinical Psychology, and Political Science).

**DUNBAR, NORAH**

*National Science Foundation: "EXP: Teaching Bias Mitigation through Training Games with Application in Credibility Attribution"*

Over the past year, our research team accomplished 6 major milestones outlined in the following activity summaries:

First, after developing our alpha version of VERITAS, we began running play-tests and focus groups. A total of 8 focus groups were conducted with 59 participants



from two Universities (UCSB and University of Oklahoma). Each focus group was led by the same primary facilitator (graduate student, Aubrie Adams). At the focus groups, student participants pilot-tested the design of our experiment by completing a pretest, then playing VERITAS, completing a posttest, and then participating in the focus groups. The goal of the focus groups was to assess student perceptions and user experiences associated with the learning and enjoyment playing the deception detection game. Based on focus group input, we were able to make the following final changes to VERITAS: (1) we added ending scenes to the two scenarios which gave the story more closure, narrative, and made it more like a game; (2) we added more tool-tips to help users finding documents in the game that helped them make their credibility assessment and functioned like a brief tutorial; (3) and we adjusted the feedback given in the game so the comments helped users to better understand their feedback options. We will be showcasing the game at both the Deception conference for deception experts in August 2017 and at the Digital Media and Learning conference in October 2017.

Second, using our newly developed and play-tested complete version of VERITAS, we performed experiment 1. The goal of experiment 1 was to examine the effectiveness of VERITAS in teaching deception detection knowledge and skills in comparison to a PowerPoint lecture training condition. We also sought to test the impact of manipulating levels of reactance and self-affirmation to examine how these variables modified training effectiveness. In this first experiment, our participants included a university student population from three different locations across the US (California, Oklahoma, and Florida). Data collection for experiment 1 took place between October 4, 2016 and December 9, 2016 (two months). We then analyzed the data and wrote up a complete research paper detailing our methods, findings and results. We submitted this paper to the Game Studies Division of the National Communication Association Conference, which was accepted and will be presented at the upcoming conference in Dallas Texas, November 2017.

Third, we performed experiment 2 using the same version of the VERITAS training program. In this experiment, we examined the effectiveness of VERITAS for a law enforcement officer population of participants. We gathered data for this experiment between October 19, 2016 through February 23, 2017 (four months). We have analyzed the data for this experiment and we have written up a report comparing the findings between our student and officer populations. We have written a draft detailing the methods, findings, and results of this comparison and we will be submitting a conference paper on this topic for the credibility assessment workshop at the HICSS conference in January 2018.

Fourth, using in-game data gathered from our first two experiments, we were able to identify what parts of the VERITAS training program were more effective than others. More precisely, we examined which questions that users answered correctly/incorrectly were most indicative of their deception detection learning progress. By examining this data, we were able to remove questions that did not aid learning development and we created a shorter and more precise version of

VERITAS (version 2, approximately 45 minutes). We were also able to identify the ways in which our experimental measures assessed learning outcomes. In our first two experiments, we utilized real videos of truth-tellers and liars in action to assess whether participants could identify who was telling the truth and who was lying after participants played VERITAS. After experimentally testing the effectiveness of these video tools and performing two in-depth content analyses of the videos, we identified 6 videos that best exemplified research-based truth and deception cues. Thus, we were able to improve upon our experimental materials used to assess learning in the area of identifying liars and truth-tellers. These procedures lasted approximately two months (March-April).

Fifth, we performed experiment 3 using our newly modified and improved version of VERITAS (version 2) with a population of University students. Data collection for this stage of the experimental design took place between May 15 – July 28 (approximately 3 months). We have analyzed the data for this final experiment which summarizes our findings on our two-year project. This data collection stage represents our final main experiment under this grant.

Sixth, our team turned our attention toward our broader impacts. The VERITAS development team recently created a version of VERITAS (using the shorter more precise learning version) that is playable via the internet on a web browser. Now anybody can access the game with the link: <https://qa1.dgbl.ou.edu/a/i/teu0w26b>. We have posted descriptions of the project on our websites in Oklahoma (<http://www.ou.edu/content/cas/casr/research/bias-mitigation-with-digital-games.html>) and California (<http://www.cdgr.ucsb.edu/research>). We have created marketing materials to distribute at our conference presentations and will be reaching out to law enforcement agencies with the materials in the coming months as part of our broader impacts. In addition, a graduate student on the project, Aubrie Adams, used data from the VERITAS studies to complete her dissertation, which was defended at UCSB in June 2017.

*University of Maryland: "SCAN: Socio-Cultural Adversarial Networks"*

The goal of Stage 1 of this project was to gather data that enabled the analysis of verbal and nonverbal behaviors related to expressions of dominance-deference, like-dislike, and trust-distrust between distinct cultures. To accomplish this goal, a multiplayer in-person game was created to elicit the behaviors of interest, capture attitudes, and record interactions. Individuals often rely on erroneous cues when judging others; the objective of this research is to explore reliable cues based on individual actions and networks of relationships. The following discusses steps taken to collect data including the creation of the game, attitudinal measurements, behavioral observations, lessons learned, and future plans.

Game Development: A multi-person game was selected to elicit the behaviors of interests. While several variations of the game "Mafia" are available, we tested several versions and modified one that would help us achieve our research objectives. The game selected was derived from a commercially available board

game, a variation of the Mafia game called “The Resistance”. In these games, players attempt to deduce one another's identities. The premise of the games is that a small, secret group of informed players attempt to disrupt a larger uninformed group, while the larger group attempts to identify the Spies and eliminate them. In our version of the game, there are two teams in the game: the good guys who are local citizens (known as the Villagers) and the bad guys (known as the Spies) who are the part of the local crime syndicate. The Villagers are trying to accomplish a series of missions. The Spies are hoping to derail the missions and make them fail. For the Spies to win, they must deceive the villagers by concealing their intentions, building trust with other players, and controlling the flow of conversation. For the Villagers to win, they must uncover the identity of the Spies through strategic maneuvering and observation of other players. As each player works towards the objectives of their team, relationships form and the nature of players emerge. Through periodic self-report measurements, the attitudes of participants towards other players are captured.

To facilitate efficient data capture, a computerized version of the Mafia game was created. The software randomly assigns participants to a team, manages voting behavior of players, collects intra-game attitude measures, and tracks wins and losses. The use of software, as opposed to the traditional board game format, allows for increased experimental control, more rounds played during a session, and accurate data capture.

**Attitudinal Measurements:** Three survey instruments were used to collect participant data: pre-survey, intra-game survey, and post-survey. The pre-survey is completed by participants prior to arriving to play the game. This survey contains personality trait measures, cultural measures, and measures relating to experience with the game.

During game play, participants periodically complete a survey designed to capture their attitudes towards the other players. This survey asks participants to rate others on dominance-deference, like-dislike and trust-distrust as well as make judgments about who they think are Villagers or Spies.

The post-survey is completed after the game has ended and a winner (Spies or Villagers) has been announced but before the identity of the players is revealed. This survey contains measures of personality traits and post-game measurements of dominance-deference, like-dislike, and trust-distrust.

**Experiment Sessions & Data Collection:** During the experiment, participants sit at a circular configuration of desks with tablet computers. The tablet computers allow the players to utilize the game software and a front-facing camera captures participants’ facial behaviors. A 360-degree camera is placed in the center of the circle to capture interpersonal communication throughout the game. Additionally, a tripod mounted camera in the corner of the room captures game dynamics. In total, each player is recorded by three separate cameras.

The audio-video footage will be evaluated to extract nonverbal behaviors of players. To compare nonverbal behaviors to attitudinal measures, careful segmentation of video footage and game data must occur. Included in the administrator's game software is the ability to make an audible "ding" sound through a centralized speaker. This sound is played before each round. The sound is picked up by each camera allowing for multi-camera alignment and consistent video segmentation. Synchronization of cameras and game measures is key to the data analysis since attitudinal measures from survey data will be compared to behavioral signals over specified segments of game play. We have created data files listing the time stamps for each "ding" for each camera for later analysis by our partners.

Data have been collected from three U.S. sites (California, Arizona, & Maryland) and one international site (Israel). To date, 41 sessions have been conducted with 286 participants. The remaining international sites include Singapore and Fiji to be collected in Fall 2017 (local IRB approvals have been conducted, and we are waiting on HRPO approval), and tentatively Zambia, Hong Kong, and Italy, pending IRB approval.

Lessons Learned & Future Goals: Pilot testing has resulted in major improvements to our ability to collect high quality data including the development of a standardized equipment setup. To ensure consistent data collection, equipment including desks, tripods, cameras, and computers are shipped to each site. This procedure is designed to uphold experimental control and ensure accurate comparisons between sites.

During experiments in Maryland and Israel, our team experienced hardware malfunctions related to excessive heat in some rounds of game play. This caused the 360-degree camera to shut down and lengthy processing times on the tablet computers. The team is currently investigating solutions including reserving well-ventilated rooms at future sites and the using cooling pads for the equipment. Several partner universities have opted out of the study because of lengthy administrative burdens with human subjects approval and/or reservations about conducting research supported by a foreign military. Two international sites, Singapore and Fiji, are willing to host the data collection and we are in the process of completing the human subjects approval documentation. We are currently working with Hong Kong, Italy, and Zambia to secure the remaining international sites.

Over the next several months, our team will travel to Singapore and Fiji to collect data from the local populations. Over the course of the year, the team will secure two remaining international sites. Following each site visit, data will be cleaned, structured, and combined to facilitate analysis. We will continue to improve experimental procedures to ensure the highest quality data possible. Additionally, videos will be time coded and synchronized. This will allow our partner universities

to automatically extract behavioral features of interest and align the features with intra-game attitudinal measures.

### **FLANAGIN, ANDREW**

*Gift to support the research of Dr. Flanagin in the area of "Fostering Critical Engagement with Online Information"*

Funds were used for research subject remuneration as part of data collection effort.

### **FORD, ANABEL**

*UC Mexus: "Exploring the Flora of the Maya Forest: Ancient and Contemporary"*

The Maya forest is replete with value; in fact economic botanists recognize all of the 20 dominant plants as useful to people. Yet, the irony is that the prevailing narrative for the ancestral Maya civilization is that they devastated this utility. This view has emerged from our own trajectory of environmental destruction coupled with a simple interpretation of the ancient pollen record. At the bottom of this conundrum is a misunderstanding of plant pollination and the nature of pollen distribution. It is well known among botanists that, as a reproductive strategy, wind pollination makes up little more than 2% of tropical forest plants. Further, there are large numbers of important economic plants of the Maya forest that are not represented in the ancient pollen rain captured in large lakes with their concentration on bulk pollen transported by wind that give a broad view of the regional environment.

The UCMEXUS funds are designed to bring botanists/palynologists Gerald Islebe and Nuria Torrescano of EcoSur in Chetumal to the El Pilar field location in Cayo Belize. While we planned 5 days, this visit was only 2 nights and left more areas to review. In the short visit, were able get an overview of the local area and assess the potential for collaboration in the evaluation of the area's lagoons and ponds that we had located around El Pilar. Islebe and Torrescano have extensive experience as botanists and palynologists in the study of pollen and its distribution. They noted that 2 of the El Pilar ponds were not appropriate for cores. They have collected and analyzed pollen cores from a number of settings and have pollen data from contemporary contexts that are essential for comparison to the ancient pollen rain identified in cores.

The Alta Vista pond and the Aguacate lagoon were appropriate for coring, but they were limited in the number of cores that could be extracted. They are still concerned about the access and ability to access the areas targeted in this visit. Consequently, we are planning a second visit to complete the overview of the local area and to assess the potential of other lagoons in the vicinity of El Pilar. This visit is planned for February.

*UC Berkeley: "Classic Maya Cities in the UCSB Maya Forest GIS: Creating Access to Region, Local, and Site Scale Data for Comparative Research on the Middle Ages in the Wider World"*

To bring the Middle Ages into a World-Wide perspective, we are identifying a new means comparison based on maps that will bring the Maya geography to the world via ArcGIS online. We are developing a look at the fundamentals of the place, the geography, the resources, and the climate of the Maya of southern Mesoamerica. This is the context that sustained the Maya and other societies the are coeval across the centuries of 500-1500CE.

We are developing a foundational model in the context of the Geographic Information System, GIS, that will facilitate comparative studies of societies of the Middle Ages by focusing on our example society: The Classic Maya Civilization from 600-1000CE. As digital data are becoming the norm and geographic data are moving into the GIS, we see the new historical geography of the Middle Ages must move into the digital age. We are integrating regional geographic data on geology, soils, rivers, topography as well as modern features of roads and cities with the ancient Maya sites and settlements from a regional, local, and site perspective. Our online data, when complete in Fall 2017, will be presented by scale, with an established data organization and naming conventions to make the Maya forest GIS accessible and useful to a wider audience thought the Internet.

**GEHLBACH, HUNTER**

*Robertson Foundation Gift: "Birds of a Feather" Study with a Middle School Population"*

I have just begun recruiting teachers to participate.

**GEHLBACH, HUNTER  
GOTTFRIED, MICHAEL**

*Laura and John Arnold Foundation: "Creating Birds of a Feather: Mitigating Inequality by Reducing the Achievement Gap"*

We have collected most of our data. We are now working with the office of institutional research to collect the remaining data.

**GLASSOW, MICHAEL**

*Various Donors for Coastal Adaptations: Gift*

Acquisition and analysis of data derived from collection obtained from Santa Cruz island prehistoric sites: During 2016-2017 I continued generation of data from archaeological collections from two prehistoric habitation sites I investigated in 2013. The main activities were analysis of shellfish remains for a paper now under

review for inclusion in the proceedings of the 9th California Islands Symposium, and extraction of calcite samples from mussel shells for oxygen-isotope analysis. The isotope data now are in hand and are currently being analyzed. I also recently obtained two additional radiocarbon dates for one of the habitation sites.

Processing of collections from a large archaeological site on Santa Cruz Island: With the help of undergraduate students I have been processing archaeological collections from a large prehistoric habitation site on Santa Cruz Island. The collections are from excavations in the 1970s spanning the whole thickness of deposits, more than five meters. Work started in fall 2015 and probably will be completed by the end of 2017.

Archaeological survey on Santa Barbara Island: I have participated in four episodes of fieldwork on Santa Barbara Island having the objectives of recording all prehistoric sites on the island and refining the chronology of occupation. The final episode took place in September 2016. During 2016-2017 I obtained four additional radiocarbon dates for refining the chronology of prehistoric occupation on the island. Two of my colleagues also involved in the fieldwork and I are now preparing a report for Channel Islands National Park and a paper for publication in an archaeological journal.

Funds from GMGIFT have been used to purchase laboratory supplies, obtain radiocarbon dates, obtain oxygen isotope assays from the Stable Isotope Laboratory at UC Davis, and employ undergraduate laboratory assistants.

## **GURVEN, MICHAEL**

*National Institute on Aging: "The Human Life Course and the Biodemography of Aging"*

The Tsimane Health and Life History Project (THLHP) has continued operations in Bolivia for its 15th year of continuous healthcare delivery and research. The 2016-2017 field year witnessed additional CT campaigns aimed at improving the surveillance of cardiovascular disease by employing thoracic CT, that permits assessment of coronary atherosclerosis. The culmination of this work resulted in a high profile paper in the Lancet showing very minimal evidence of coronary atherosclerosis among Tsimane Amerindians. These findings were covered widely, including CNN Vital Signs filming with Dr. Sanjay Gupta. Preliminary CT data of crania were also collected as pilot data for another NIH/NIA grant focused on dementia. This 5-year grant officially starts in August 2017. An additional supplement was also obtained to collect health data among the Mosekene, a group ethnolinguistically similar to the Tsimane, but with a more acculturated lifestyle. A CT campaign with the Mosekene is planned for October 2017.

Other research, in Genome Biology, studied ethnic health and aging disparities by using a new biomarker of aging, the "epigenetic clock". It sheds light on important

paradoxes in epidemiology (e.g. Hispanic mortality paradox, sex mortality-morbidity paradox) by focusing on ethnic and sex differences in epigenome maintenance. A paper in *Current Biology* showed that sleep duration in several hunter-gatherers and the Tsimane was similar to that of modern Americans, contrary to common claims about ancestral versus modern sleep patterns, and the myth of biphasic sleep before the advent of electricity. Both papers were widely covered in the national and international media.

*ISBER/SSRGP: "Telomere length and immune function in a high infection population"*  
DNA extraction and analysis has been done on 1,500 Tsimane and Mosekene samples by collaborators in UT Austin. The extracted DNA has been sent to Dan Eisenberg's laboratory at U Washington, where analysis of telomere length on these samples will take place over the next month (performed in a batch with other samples that will help accommodate comparative analysis with two other populations). Lab work has already been paid for with ISBER SSRGP funds, and so statistical analyses and publications will be forthcoming in the next year.

**GURVEN, MICHAEL  
PISOR, ANNE**

*National Science Foundation: "Doctoral Dissertation Research: Expanded Group Affiliation, Trust and Prosociality in Lowland Bolivia"*  
Research conducted using funding for project PACNSF is completed, but I continue to use the data collected in new papers and talks (see below). Furthermore, the data I collected under PACNSF has informed data I recently collected that was funded by a new granting institution.

**HAJJAR, LISA**

*National Endowment for the Humanities: "Human Rights in the Arab World: Research, Advocacy and Public Policy"*  
During the past year, my co-PIs and I have been working on three aspects of the research project on Human Rights in the Arab World. First, we have been finalizing case studies produced by people with whom we contracted; I have edited and revised the Egypt case study and am currently editing and revising the Yemen case study. Second, we have been working with partners in Tunisia to develop an English-language bibliography of all major Arabic-language texts (scholarship and significant reports) on the topic of human rights in the Arab world. Third, we have been going through the primary data of interviews and drafting a monograph. In July, I met with co-PI Omar Dewachi in Italy and we produced an outline and a writing plan. I have begun drafting two of the chapters, work I will continue through the fall. Dewachi will write a third chapter, and then he and I will co-author the fourth chapter. We hope to have a draft of the entire book by early 2018.



## HAN, HAHRIE

### *New Venture Fund: "How Organizations Build Collective Action"*

Our project started by diving deeply into a set of exploratory case studies, to elucidate how those organizations developed power. In selecting cases, we took a "most-different" approach, to identify four cases that maximized difference on the socio-political conditions, political opportunity structures, resources, and individual traits of constituents known to shape the ability of movements to achieve their political goals. By maximizing difference on external conditions, we wanted to see what (if any) internal capacities were shared across organizations that built power in a diverse array of circumstances. To select cases in the fall of 2016, we interviewed a set of key informants, and analyzed a variety of socio-economic and political data with the following criteria: (a) movement organizations that had built some measure of political power, as defined below, and (b) a set of organizations that were working in vastly different geographies, on different issues, with different political targets, constituencies and so on to see if there were any internal capacities that were shared across these organizations.

### *Center for Community Change: "Testing the Effectiveness of Integrated Voter Engagement Models"*

In 2016, we extended the study design from 2014 and 2015 and built on existing patterns of data collection. The main difference in 2016 was that we focused the study in Akron (Summit County) and Youngstown (Mahoning County). The OOC realized that it was stretching itself too thin in trying to work across four communities, so we decided not to continue including Dayton and Warren in the study in 2016. Instead, they focused more intensively on LPV organizing in Akron and Youngstown.

In those two communities, there were three main parts to the study:

- A multi-year randomized controlled trial of treatment and control precincts: Treatment precincts were organized through the OOC's low-propensity voter (LPV) IVE program, and control precincts were not. The primary outcome of interest in this part of the study was the percentage of LPV voters who turned out to vote in treatment precincts compared to control precincts. In 2016, we maintained the randomization scheme we had developed in 2015, and did not add any new precincts into treatment.
- A survey-based study of leadership development: As with previous years, we had canvassers in the OOC's program take pre and post surveys surrounding their electoral work. The survey assessed their own personal leadership development, commitment to the OOC, understanding of power, and other affective outcomes. In 2016, we collected 22 pre-surveys and 8 post-surveys, for a total of 7 respondents for whom we had both pre and post data.
- A qualitative study of canvassing in LPV communities: To understand the way that the OOC engaged with LPV, we conducted observations of the LPV canvasses, and a set of focus groups with canvassers at the end of the electoral season. This allowed us to gather first-hand data on the experience of canvassing in LPV

communities, as well as capture the qualitative reflections of canvassers. In addition, one new component of our data collection in 2016 was to gather the sign-in sheets from the year-round organizing conducted by the Akron Organizing Collaborative (AOC), to identify the study participants who also participated in the year-round base building work of the AOC.

As with previous years, we conducted careful multi-method analysis of the data. The data from the voter file was carefully cleaned to identify the correct sample of voters and account for people who had moved in and out of treatment and control precincts. The survey data was entered by a team of research assistants, cleaned, and analyzed. The qualitative data was transcribed by research assistants, coded for reliability, and assessed against previous years of data.

**HARTHORN, BARBARA HERR  
PARTRIDGE, TRISTAN**

*National Science Foundation: “Postdoctoral Fellowship: Energy, Risk and Urgency - Emergent Public Perceptions of Unconventional Oil and Gas”*

Analyses completed as part of this project have resulted in the publication of two co-authored articles in high-profile journals, along with further publications as single- and co-authored book chapters and journal articles (including Nature Energy, WIREs Climate Change and Global Environmental Change).

Through dissemination at The Society for Risk Analysis Europe and The Society for Risk Analysis, this project has engaged international audiences and has contributed to efforts to enhance and broaden public participation and engagement with science and technology. Through dissemination at cross-disciplinary conferences such as the biennial meeting of the Petrocultures research group and the recently-formed Energy Impacts Symposium, this project has drawn together different research methods and approaches, bringing disciplines into dialogue on the ethical and justice-related aspects of energy systems as well as questions concerning more meaningful public participation in science technology and energy related decision-making processes.

**KATSIKA, ARGYRO**

*Haskins Laboratories, Inc.: “Prosodic Structure: An Integrated Empirical and Modeling Investigation”*

The grant was officially awarded to UCSB late in June 2017. Since then, we have piloted a set of experiments to be fulfilled by the end of winter 2018, and are in the process of completing a paper to be submitted by September 15, 2017.

## **KAM, JENNIFER**

*ISBER/SSRGP: "Using a Stress-Coping-Resilience Framework to Identify Risk and Protective Factors for Latino/a Adolescents in Santa Barbara County"*

I have conducted semi-structured interviews with 92 middle and high school students.

## **KAY, LUCIANO**

*National Science Foundation: "Science Policy Research Report: The Use of Innovation Prizes in Government"*

This project started on May 2017 and its purpose is to produce a research report with a synthesis of research findings on innovation prizes, including actionable recommendations to help government agencies make a more efficient use of prizes and achieve their missions.

The planned activities for this project comprise:

- a) Conduct a literature review to describe and explain the importance of prizes as an S&T and innovation policy instrument and also review current U.S. government's rationale to use prizes and its main programs;
- b) Gather concrete empirical evidence on the effect of innovation prizes using a two-stage approach that comprises a search for empirical scholarly literature and the review of other non-academic literature on the topic;
- c) Synthesize relevant empirical evidence in a way that summarizes and clarifies what is and what is not known with regards to the implementation of innovation prizes in government; and,
- d) Provide, in the form of a policy report, actionable policy and practice recommendations on a number of pre-defined themes and areas of interest based on existing evidence, extent of what is still unknown, and the strength and interest that prize programs have shown in recent years.

Part of those activities has been accomplished to the date of this ISBER Annual Report. Luciano Kay conducted a search for graduate research assistant, interviewed candidates and selected Mr. Brian Tyrrell as an assistant to this project. Dr. Kay also designed the protocol for data collection, indexing and coding and trained the student assistant to operate the software NVivo for qualitative research. Other initial activities conducted by Dr. Kay comprise the selection of a set of seed publications and the search for citing publications and other referred literature on prizes and their classification (planned activities a) and b) described above). While Mr. Tyrrell continues with coding tasks, Dr. Kay started a draft for a final report, main output of this project.

The planned outputs of this project are diverse and comprise:

- A final report with original literature synthesis work and policy recommendations

- An NSF workshop presentation in Washington, D.C.
- Public dissemination (in the form of an index posted online on a public repository and a report that will be shared with policy makers and government agencies); Dr. Kay is also considering the creation of a website to post the outputs of this and other future projects on innovation prizes; and,
- Student training in the use of qualitative analysis software and literature review and synthesis.

Other related outputs include a keynote speech presentation on the topic innovation prizes at the Open Innovations Forum 2017 to be held in Moscow, Russia. Dr. Kay is also considering a journal publication submission to a scholarly journal (a journal publication is not a required output of this NSF project).

**KENDALL, BRUCE**  
**GAINES, STEVEN**  
**GENETTI, CAROL**

*National Science Foundation: "NRT-IGE: Crossroads: Integrating Interdisciplinary Research and Teaching in Graduate Education"*

Goals of the IGE project

1. Develop enhancements that will address the interdisciplinary communication, teaching, and departmental integration challenges faced by participants in prior Crossroads projects. These enhancements will fall into three main areas:
  - a. Activities that build meta-awareness about disciplinarity and interdisciplinarity;
  - b. Pedagogical training on effectively bringing research and (inter)disciplinary perspectives into the classroom;
  - c. Training on communicating science to non-specialist audiences.
2. Assess program effectiveness by evaluating whether participation in the Crossroads program improves graduate students' abilities to perform interdisciplinary research and teach effectively and, where possible, evaluate the contribution of specific program elements towards achieving these goals.
3. Disseminate the Crossroads model across the 10 University of California campuses, and present it more broadly in conferences and publications.

ACTIVITIES

During this first year of the project, we undertook activities relating to goals 1a, 1b, and 2. These were applied to a single Crossroads research group, the California Grizzly Study Group, which brought together Faculty and Graduate Students from ecology, history, political science, education, and other fields to explore the facts, contexts, and possibilities involved in potentially reintroducing grizzly bears to California. This group's collaborative efforts included researching the history of

grizzlies' presence and diet in California, the animal-human relations that lead to its extinction in the area, and the public understandings / political attitudes regarding these large mammals and their value to the state as a charismatic native species.

#### 1a: Meta-awareness

Crossroads held an open event early in the year, to give faculty across campus an opportunity to connect with one another, hear from past participants in Crossroads, and discuss the challenges and potential benefits of interdisciplinary research collaborations. This open university event, entitled "Crossroads Connect," fostered interdisciplinary discussions among attendees from various disciplines and gave them active experience exploring and bridging differences in their fields' perspectives and methods. Overviews of past funded projects and outcomes were presented, as well as a discussion of disciplinary "threshold concepts," and a panel discussion among past participating Crossroads project faculty and graduate fellows.

Entering into the Grizzly Reintroduction Project, we considered 3 roadblocks (or potential roadblocks) that past interdisciplinary collaborations faced—the specialized vocabularies of different disciplines (sometimes similar terms carrying very different meanings and associations), the epistemic beliefs and methodological values informing those idiosyncratic understandings (what counts as valid evidence, worthwhile research, a useful question), and the institutionally situated motives behind individuals' goals for the project (what would serve their needs and interests within their home departments).

We designed three activity-sets to address these issues: one for understanding one other's vocabularies and negotiating the group's shared language around the project, another for clearly expressing individual goals for the rest of the group (for self, for project, for the larger academic and public community), and a third for exploring one another's fundamental perspectives about core values and useful approaches in research. Since the Grizzly group was already well into its research, where perspectives were already being coordinated in deciding lines and modes of inquiry, this third activity proved unnecessary. The first two activities, however, did yield benefits. The first—mapping out the shared project vocabulary—brought to surface many underlying divergent-views about what terms did/should stand at the center of the project: People, Grizzlies, California? The second—listing out goals about what people wanted to be, do, and produce in this project group—helped to organize and clarify the end-products being pursued, and the roles that graduates and faculty wanted/needed to play in moving toward those deliverables.

#### 1b: Pedagogical Training

We developed and implemented a new graduate course, GRAD 210 ("College and University Teaching—From Theory to Practice;" see attached syllabus), which the Crossroads Fellows were required to take. It was designed to be useful for all graduate students, but we did a lot of thinking about how to construct a course that would give Crossroads Graduate Fellows, in particular, supportive concepts,

resources, and experiences for their future teaching and professional academic development. To that end, we focused particularly on bringing in conversations about threshold concepts and metacognition, research and disciplinarity, that would help them to expand students' understandings of knowledge-making within and among diverse fields: making sure that ideas of interdisciplinary research are explored, challenged, tested, and understood, using these Fellows' direct experiences as a valuable resource and tool that learning.

In addition to the Pedagogy Course itself, the Graduate Fellows from the Grizzly group met every other week with the Crossroads Project Coordinator, who ran them through three activities designed to help them integrate their interdisciplinary research knowledge and experience into undergraduate educational exchanges. One activity addressed the idea of “disciplinary”: organizing Fellows' explicit understandings of what different disciplines bring to the table in environmental problem-solving. Another addressed the idea of “inter-”: clarifying what, exactly, the Fellows had learned through their experiences about collaborative research, among faculty and peers from different disciplines. The last addressed the idea of “research”: getting concrete about what it means, procedurally, to question and theorize, data-collect and analytically interpret findings, with the methods they know in their fields of specialty. The goal was to provide them with group-created resources, and to give them practice applying these resources personally: reflecting on how to communicate ideas of Interdisciplinary Research to the undergraduate students in their Environmental Science course sections. See attachment for detailed descriptions of these activities.

To give the students practice using these resources, and getting in the minds of undergraduates as they entered into teaching roles, we held a “lab day” where fellows traded places teaching one another and asking questions from students' perspectives. This allowed them to finesse their ways of responding as educators: caringly, respectfully, efficiently, and poignantly. For their final meeting, the fellows held a day of principles-reflection, allowed them to confer about what they had realized in common, through reflection on experience, about general lessons could be taken away to help future interdisciplinary research collaborations.

## 2: Assessment

The evaluator conducted focus group interviews with Faculty and Graduate Fellows from past Crossroads groups to get a sense of the overall Crossroads project experience and its longer term impacts. With present participants in the Grizzly group, we have also conducted one faculty focus-group and a written entrance-survey with the Graduate Fellows, to learn respectively about their professional perspectives within the project and their baseline understandings and goals regarding interdisciplinary research at the start of the project. Finally, we are conducting exit surveys for the Fellows about their experiences in both the general pedagogy course and the Crossroads-targeted bi-weekly meetings, to gauge the effectiveness of those supports. Focus groups protocols have also been prepared to be administered for new Faculty in the upcoming Crossroads projects.

The data that these assessments have provided is currently being examined, and will yield more robust findings as it is compared with feedback from future projects. But these interview and survey protocols, in themselves, already constitute a valuable tool for our developing understanding of the Crossroads program's strongest areas of influence and routes for procedural refinement.

## RESULTS

### Crossroads Connect

The Crossroads Connect event brought to light a few valuable insights about how interdisciplinary work and ideas are perceived on campus. The reservations that people voiced fell, by and large, along the lines of institutional cultures: the resistance to taking on an “interdisciplinary” identity as an academic, and the difficulty of maintaining an interdisciplinary research spirit when moving out of “the bubble” of a collaboration, back into the classrooms of one's own discipline.

### Graduate pedagogy course

Of all the parts of the course, the most positively received and beneficial seemed to be the contributions of guest speakers (on threshold concepts, principles of multimedia instruction, the pragmatics of developing one's career through teaching and research), and the critical whole-class and breakout-group discussions we had about how to apply concretely the guidelines offered for building coherent curricula, negotiating fair and transparent assessments for student learning, planning and delivering responsive lectures and discussions, and drawing on the Scholarship of Teaching and Learning within and across disciplines to find inspirations and strategies for improving personal teaching practices.

The first pedagogical activity highlighted what divergent ideas the Fellows had about the way relevant disciplines related and interacted within Environmental Science. This then informed a discussion with faculty about how to clarify the role and interrelation of various disciplines relevant to the coming undergraduate course. The second activity was a reflective journal that the fellows appreciated and enjoyed. It helped them to summarize and synthesize their interdisciplinary meetings' goals and dialogic progress, and eventually develop generalizable principles and strategies regarding those collaborative exchanges. The last activity asked the fellows to trace the steps of research methods that they knew most about, reflecting on all the concrete parts, procedural difficulties, and ultimate information that comes out of that process. This, then, provided them a resource for when students in their course sections challenge or question them about issues of interdisciplinary research: giving them a base from which to assert what their fields do well, what other disciplines can contribute to fill in the parts their approaches do not capture as well, and how the combination can yield a more complete, complex, or connected view of a topic of research.

Regarding these generalizable principles for future interdisciplinary researchers, the group settled around three common notions. The first is being open-minded – recognizing that it takes time to understand research from other perspectives, and that you will feel the impulse to reject ideas that make you uncomfortable or that strike you as wrong: this is a moment for self-reflection (“What about this makes me uncomfortable?”) and exploration (“What merit do they see in this idea, sensible people that they are?”), relaxing the reflex to resist or defend (in service of seeing fresh angles, and connecting with others). The second is asking questions – putting on a curious learner's hat and speaking up when someone says something we are not sure about (“What do you consider 'evidence'? How do you find your sources”): recognizing that open discussion is crucial to genuine understanding and effective collaboration—to quote one Fellow, “to productively work together as an interdisciplinary research group, we must have an understanding of how the different disciplines go about asking questions, finding answers, and interpreting those answers ... the process of research of each discipline.” The third and final is, if your discipline comprises the majority of the group, staying keenly aware of your power position, and so your responsibility to actively seek understanding those other fields in the room that are bringing their methods and perspectives to enrich the project: ceding that default control over the group's dialog, and making room to hear from, delve into, and integrate the worlds of value in others' approaches—that is the reason for bringing disciplines together to work, in the first place.

**KLAWUUN, MARGARET  
CZULEGER, CATHY**

*California Department of Boating and Waterways: “Sailing at UC Santa Barbara”*  
We received two awards from the Department of Boating and Waterways. This first project was grant money funded through the California Department of Boating and Waterways. \$14,070 was awarded to fund an outboard engine, sails, vhf radio, bilge pump, navigation lights and rudder heads. Funding of this equipment has helped the Recreation and Exercise & Sport Studies Departments continue to offer affordable sailing opportunities to students.

This is a continuation grant provided by the California Department of Boating and Waterways. \$40,000 was allotted to fund 5 new Learn to sail vessels for UCSB Dept. of Recreation and Exercise & Sport Studies classes.

**KLAWUUN, MARGARET  
EQUINO, KIMBERLY**

*US Department of Justice: “Office of Justice Programs: Strengthening Services for Victims on Campus”*

The primary focus of this award is for the campus- wide implementation of prevention and response efforts for sexual assault, domestic violence, and stalking.



The response elements are addressed by the law enforcement investigator who focused efforts on ensuring officers were well-versed in the neurobiology of trauma and conduct trauma informed investigations. Campus prevention efforts continue to be ongoing by the Prevention Education Coordinator position and focus on developing primary prevention strategies that are rooted in behavioral change theory and supported through bystander intervention research.

**KUCZENSKI, BRANDON  
EL ABBADI, AMR**

*National Science Foundation: "CyberSEES: Type 1: Preserving the Privacy of Life Cycle Inventory Data in Distributed Provenance Networks"*

Work in 2016-17 has been centered on disseminating the progress made on the research through conference presentations and journal articles. Two new papers were published during the period, and work was presented at three conferences (two in IE, one in CS). An additional manuscript is being revised after review.

The research has led to new insights regarding the preparation of reference databases in life cycle assessment (LCA), and led to the development of principles and metrics for practical privacy-preserving LCA computations.

PI Kuczenski has continued to chair a discussion group at SETAC North America regarding "Inventory model description and revision" in life cycle assessment (LCA). The group is part of an ongoing effort to develop a capability roadmap for life cycle assessment. The discussions have resulted in a draft roadmap document that is meant to reflect a broad consensus of researchers and practitioners. The draft is presently undergoing community review. The results of the review will be presented at ACLCA this autumn and a revised paper will ultimately be published.

**LEOMBRUNI, LISA  
GAINES, STEPHEN**

*WGBH Educational Foundation – NOVA: "Assessing Science Engagement Through Social Media: NOVA ScienceNOW Season 7"*

This project is focused on better understanding what happens on social media in terms of learning and engagement with science, and will answer the following three overarching research questions:

1. How do we define informal science learning on social media?
2. What does learning look like on social media and how does it differ from other forms of engagement and across social media platforms?
3. Can science media outlets influence informal STEM learning on social media through a diversity of outreach approaches across different social media platforms?

These questions allow for exploration into four key science social media variables: platform type, style of moderation, event, and STEM content or topic.

Over the past reporting period, we have recruited and hired a post-doctoral fellow with a expertise in science communication and social media. We have also finalized the research design, questions, and plan, and completed an in-depth literature review exploring current measures of learning and engagement online and approaches to collecting and understanding social media data. We have also begun to collect preliminary data on several social media monitors using Crimson Hexagon software and the Sprinklr social media management system.

### **LIEN, PEI-TE**

*ISBER/SSRGP: "Understanding Racial Attitudes and Opinions of Immigrant Chinese Americans"*

Conducted elite interviews of community organization leaders in Los Angeles, Washington DC, and New York City to understand how immigrant Chinese and other Asian Americans think of racial equality and justice. Also participated in the construction of a multiracial survey after the 2016 Presidential Elections to gather survey opinions on affirmative action and other political attitudes. Presented preliminary research findings in two national conferences. And prepared two manuscripts for publication based on partial findings.

Grants Submitted Related to this SSRGP: Chiang-ching Kuo Foundation for International Scholarly Exchange; Taiwan Fellowship

*Chiang Ching-kuo Foundation: "Understanding Racial Attitudes and Opinions of Immigrant Chinese Americans"*

Conducted elite interviews of community organization leaders in Los Angeles, Washington DC, and New York City to understand how immigrant Chinese and other Asian Americans think of racial equality and justice. Also participated in the construction of a multiracial survey after the 2016 Presidential Elections to gather survey opinions on affirmative action and other political attitudes. Presented preliminary research findings in two national conferences. And prepared a manuscript for publication based on partial findings.

### **MITHUN, MARIANNE CAMINSKY WZENCZNY, DIBELLA**

*National Science Foundation: "Doctoral Dissertation Research: The History of the Koryak Language and its Dialects"*

Caminsky carried out primary linguistic fieldwork in Kamchatka during the 2016 summer. She has been transcribing audio, conducting linguistic analysis of the data, working with speakers to develop a language-learning app, and writing her

dissertation. She has made several presentations based on the data and has submitted more abstracts to future conferences based on this data.

### **O'CONNOR, MARY**

*UC Mexus: "Access to Health Care for Mixtec Immigrants"*

I hope to find more interviewees for this research project by placing an ad in the Radio Indígena station in Oxnard.

### **OPREA, RYAN**

*National Science Foundation: "Revealed Preferences and General Equilibrium in the Laboratory"*

I have collected data for two sub-projects on the grant, completed two papers and am close to finishing a third. I also have completed software development on two additional projects for the grant to be run in the next year. A previously completed paper was accepted for publication in *Econometrica*, one of the flagship journals in my field.

### **PALERM, JUAN VICENTE LAMON, SHELLEY**

*UC Mexus: "From the Far South to the North: The New International Migration of Indigenous Mexicans to the United States"*

This past year I conducted the final phases of ethnographic fieldwork in Tampa, Florida, and Chiapas, Mexico, completing data collection for my dissertation project, a multi-sited study in which I aim to compare the migration experiences and ethnicity-based organizing of two different groups of indigenous Mexican migrants: the Oaxacan Mixtec community in Oxnard, CA and the more recently-arrived community of Chiapan Tsotsil and Tseltal Maya in North Tampa, Florida.

The fieldwork in Florida and Chiapas was conducted over a period of four months, from mid-June to September of 2016, when I returned from Florida to California. Semi-structured, structured, and life history interviews with research participants in the migrant-receiving and -sending communities yielded over fifteen hours of audio recordings and a wealth of ethnographic data that shed light on the causes and impacts of international migration, as well as processes of ethnogenesis, labor mobility, accommodation and settlement, and adaptation to new sociocultural contexts. To gather data on the complex societal changes associated with outbound migration, ethnographic fieldwork was conducted in Tsotsil Maya migrant-sending communities in the central Chiapas highlands from mid-July to early September. Interviews with returned migrants and family members in Chiapas revealed both micro- and macro-level impacts of international migration. The effects of migration

were apparent, for example, in the enhanced and widespread integration of information technology and use of social media for transnational communication, as well as in changes in communal demography, marriage practices and household composition. Linked to these societal changes were also new adaptive strategies of community savings and loan policies, and shifts within the cargo system, an internal structure of cultural cohesion characteristic of so-called “traditional” communities in which community members rotate through a hierarchy of civic-religious positions - a mechanism of social organization that also serves to affirm ethnic-communal affiliation. Interviews were supplemented with a combined methodology of participant observation and a survey questionnaire that was distributed to a sample of the Maya migrant community in Florida, as well as returned migrants in Chiapas (N=48). To support these research endeavors, I was honored to be awarded with the Research Accelerator Grant in late spring of last year, a grant funded by the joint support of UCSB’s Graduate Division and an anonymous donor.

Upon return to California last fall, I began to analyze data collected in the field through the transcription of interviews, entry of surveys, and coding of field notes. In October, I presented the preliminary findings of my research in a meeting with Graduate Division Dean Carol Genetti, Julie Karbula, Senior Director of Development from Graduate Division, the donors who had generously contributed to the Research Accelerator Grant, and fellow graduate student award recipients from other disciplines.

Since this past winter quarter, I have been engaged in analyzing the data collected during fieldwork and have begun to write about the results in my dissertation. I presented a paper based on my ethnographic fieldwork in Tampa, FL, at the Annual Meeting of the Society for Applied Anthropology in Santa Fe, New Mexico, for which I was awarded an Academic Senate Doctoral Student Travel Grant to help offset the costs of conference travel. I aim to complete the requirements for the Ph.D. by Winter 2018, and hope to continue my academic and professional development through teaching, research and service opportunities, conference presentations, student mentoring, and preparing articles for submission for publication in academic journals.

## **PARK, JOHN**

*Russell Sage Foundation: “Coming Into an Awareness: Status and Illegality Among Children and Young Adults in American Law”*

I conducted extensive archival research at Berkeley and UCLA, and then very briefly at Portland State University. All of this archival work concerned children and young people of Native American and Asian American backgrounds in the late 19th and early 20th centuries, including students in Native American boarding schools. I had scheduled, but did not complete, a research trip to the East Coast because of an illness in my family. I will schedule those trips this coming calendar year.

## **RAMBELLI, FABIO**

*Association for Asian Studies: "Repositioning Shugendo: New Research Directions on Japanese Mountain Religion"*

Organized the conference on Shugendo as PI with the direct involvement of two postdoctoral researchers at UCSB, Dr. Carina Roth (PhD, University of Geneva) and Dr. Andrea Castiglioni (PhD, Columbia University), as well as the participation of professor Tsuyohi Kawasaki of Shujutsu University (Kobe, Japan). In addition, I also presented a paper at the conference.

## **ROSSIN-SLATER, MAYA**

*National Bureau of Economic Research, Inc.: "Early Childhood Environment and Adult Labor Market Outcomes: Evidence from Administrative Data"*

Published article in the Journal of Political Economy ("Every Breath You Take-Every Dollar You'll Make: The Long-Term Consequences of the Clean Air Act of 1970"). Wrote an article that is currently under revision for the Proceedings of the National Academy of Sciences ("The Relationship Between Season of Birth, Temperature Exposure, and Later Life Well-Being"). Active work on a project ("The Long-Run Effects of Great Society Programs").

*L&M Policy Research, LLC.: "Special Analyses on the Effects of Paid Leave Policies"*

Conducted analysis, wrote research paper, and presented it at conferences (title: "Paid Family Leave, Fathers' Leave-Taking, and Leave-Sharing in Dual-Earner Households"). The paper is currently under revision for the *Journal of Policy Analysis and Management*.

## **SCHREIBER, KATHARINA**

### **KERCHUSKY, SARAH**

*National Science Foundation: "Doctoral Dissertation Improvement Grant: Local Socioeconomic and Political Development in a Context of Imperial Expansion, Nasca-Wari Interactions at the state of Zorropa, Peru"*

This grant was completed in September of 2016. The final report was filed with the National Science Foundation on September 27, 2016.

## **SMITH, STUART**

*National Science Foundation: "Collaborative Research: Impact and Accommodation Through Cultural Contact"*

Excavation during Winter Quarter 2017 at Tombos in Sudanese Nubia concentrated in two different areas in the cemetery (EO-91-25) and within the village of Tombos

(UCSB 02-01), and in a Kerma cemetery at Abu Fatima (UCSB 00-3). Excavation in the lab continued by our conservator on the elaborately decorated wooden box block lifted in 2005.

Excavation within the modern village of Tombos continued in streets moving towards the river and along the eastern side of the village, following the line of the remains of a substantial subterranean structure. This season's work established that it was a massive fortified enclosure dating to the mid 18th Dynasty, adding to the evidence that the settlement associated with the cemetery covered a large area under the modern village and extended out into the cultivation and palm groves to the south. At over 200 by 200 meters, the fortified area is significantly larger than contemporary major colonial centers.

The foundations of a new pyramid tomb were discovered (Unit 18). Three intact burials in the underground complex each had a scarab and carnelian earrings still in situ on the body, and one of the burials had a copper alloy mirror and ebony kohl stick placed above the pelvis. One of the scarabs looked to be of Middle Kingdom date, thus representing an heirloom at least two to three hundred years old at the time of burial. The remains of a wooden cosmetic box contained two Egyptian alabaster dishes, one in the shape of a duck, a copper alloy kohl applicator and "cutting out" style razor, and a small ivory container with lid.

Another tomb contained a set of ceramic canopic jars with human headed stoppers, inscribed with the appropriate invocations to the four Sons of Horus and dedicated to a Lector Priest named Hapy. Although broken by the looters, they still contained the very degraded remains of the separately embalmed internal organs, providing the first secure documentation for evisceration as a part of mummification at Tombos. Although poorly preserved, several burials were apparently intact, associated with a large group of intact pottery, a small calcite jar, and scarabs, including one set as a ring mounted in silver.

Another tomb (Unit 47) had been badly looted in antiquity, but remarkably included well preserved pieces of two elaborately decorated wooden coffins. Although broken up by the ancient looters, several sections of finely carved decoration and inscriptions were found, with formulae invoking the protection of various deities, including Anubis and the Four Sons of Horus. Although further study is required, our initial impression is that one coffin was dedicated to a Hem-Netjer Priest named Horemhet and the other to a Mistress of the House named Beky. Newly discovered funerary cones associated with the tomb also mention a Hem-Netjer, a high level priest who would have officiated at an important temple. The presence of cones is significant, since it demonstrates that a second tomb was decorated with conventional Theban style funerary cones, only the third tomb attested in Nubia and the second in Sudanese Nubia (a third tomb at Tombos produced a single cone, although the inscription was unconventional and so it may represent a local adaptation of a Theban tradition).

### Abu Fatima Cemetery

The cemetery at Abu Fatima dates before the colonial site at Tombos, and covers the thousand year span of the native Kerma civilization, allowing us to better understand the long term history of the region. We opened up four units. Unit 6 and 7 are toward the southern boundary of the site and reflect the latest phase of Kerma (c. 1680-1500 BC). In unit 6 pit A, we found the remains of a Nubian burial bed with woven rawhide still preserved. At the foot of the bed, we found two sandals and a stack of Kerma fine ware beakers (4), which still had traces of the string netting in which they would have hung. In unit 7 pit A, in addition to finding ceramic and bone we also found the remains of a bedpost that was in the shape of a cow hoof. Lastly, in unit 7 pit E, we excavated one adult male, who was interred on a Nubian burial bed (badly decayed). There was an animal offering (probably goat) toward the north, and a sacrificed animal (probably a sheep) to the west. As with unit 7 pit A, we found traces of bedposts that were in the shape of a cow hoof. Unit 8 was located toward the center of the site and dated somewhat earlier in the Kerma sequence (around 2000 BC). In unit 8 pit A, we found the well preserved remains of a finely made leather garment, as well as what appear to be the remains of two cow hides placed beneath the burial.

### Conservation Work

Considerable progress was made in cleaning and stabilizing the wooden box that was block lifted in 2005 from the 25th dynasty soldier's tomb. This conservation work revealed additional details of the remarkable marsh and cow associated motifs on the three sides left unexposed during the block lift, a continuation of the Hathor theme from the first side. Detailed excavation within the box revealed two iron tweezers and another iron tool, as well as a copper alloy needle and possible razor. Three faience cosmetic jars of extraordinary quality were also found, an alabastron in blue faience, a green faience lentoid flask with a bead net and rope pattern as decoration, and another with four blue faience images of Bes attached to a vessel with a green background. The last two had lids, the first a simple design, but the second, Bes jar had a lid representing a lotus with a frog sitting on top.

**SMITH, STUART**  
**AKMENKALNS, JESSIKA**

*National Science Foundation: "Doctoral Dissertation Research: Exploring Cultural Identity in the Ancient Nubian Hinterlands"*

The project funded by this award addresses the ways that cross-cultural interactions and colonialism transformed cultural identities in hinterland communities in ancient Nubia (northern Sudan) between 2500 and 1000 BC. In the previous reporting period, co-PI Jessika Akmenkalns, under the supervision of Dr. Stuart Tyson Smith, conducted archaeological excavations at the sites of Hannek and Abu Fatima, both located near the modern town of Kerma in northern Sudan.

Hannek is a habitation site that dates to the middle and later parts of the Nubian Kerma period (ca. 1700-1500 BC) and through the Egyptian occupation of Nubia (ca. 1500-1080 BC), based on radiocarbon dates. Our work at the Hannek settlement resulted in the documentation of the remains of numerous house structures and other features, as well as the collection of an intact ceramic vessel, a large number of pottery sherds and stone tools, faunal (animal) remains, botanical (plant) remains, and a range of other artifacts including beads, spindle whorl fragments, and a fragment of a stone pendant.

Abu Fatima is a cemetery site whose use spanned the whole of the Kerma period (ca. 2500-1500 BC), based on radiocarbon dates. Based on various lines of evidence, the cemetery was reused much later during the Meroitic period (ca. 300 BC – AD 350). Excavations at the cemetery site of Abu Fatima resulted in the documentation of 22 tomb structures containing 23 individual burial interments, as well as the collection of ceramic vessels and pottery sherds, stone and animal bone tools, faunal (animal) remains, burial accouterments, and a range of other objects included as grave goods within the documented burials.

During the current reporting period, the analysis of all archaeological material recovered from Hannek, including ceramics, lithics (stone tools), faunal (animal) remains, botanical (plant) remains, and small finds such as jewelry has been completed. In addition, architectural and spatial analysis have been completed based on the results of site mapping that was carried out during the previous reporting period. Analysis of nearly all archaeological material recovered from Abu Fatima during the 2015 and 2016 excavation seasons, including ceramics, lithics, faunal remains, and botanical remains has been completed. Preliminary analysis has been completed for the small finds documented at Abu Fatima, including jewelry, clothing, and burial accouterments, though some objects require further in-depth analysis. Furthermore, because excavations in the Abu Fatima cemetery are ongoing (funded by separate grants held by Dr. Stuart Tyson Smith and others), additional material has been excavated since the completion of the fieldwork funded by this grant and is therefore not included as part of this report.

Organic samples that were selected for radiocarbon dating were submitted to DirectAMS laboratories in Bothell, Washington, and results were received during the current reporting period. Samples were selected from both Hannek and Abu Fatima, providing reliable dates that corroborate the results of artifact analysis.

As listed below, the co-PI, Jessika Akmenkalns, presented a paper at the annual meeting for the Society for American Archaeology held in Vancouver, British Columbia, Canada in March of the current reporting year. This paper disseminated the results of the completed ceramic analysis for both the Hannek settlement and the Abu Fatima cemetery.

The co-PI is currently in the process of completing a draft of her doctoral dissertation, the basis for which is an overarching analysis of the archaeological



material documented at both Hannek and Abu Fatima. The dissertation outlines the results of the analyses conducted for the multiple lines of evidence discussed in this report and presents original research regarding the social implications of these results. In particular, this research focuses on the ways that communities located in the hinterlands of state societies engaged with colonialism and other political change are impacted by the processes resulting from such interactions. It is expected that the co-PI will file her dissertation during the Fall 2017 academic quarter.

### **STOKES, LEAH**

*UC Agriculture and Natural Resources: "Evaluating Water Conservation Policy and Testing new conservation Messages in California"*

I have collected data on water policy across urban water districts in California. About 25% of the total population's data has been collected to date. I am currently planning to field another survey of water district managers to try to collect more data in the coming quarter. I have written up the draft results and presented them at an academic conference in June 2017.

### **THÉBAUD, SARAH**

*Ewing Marion Kauffman Foundation: "Gender Inequality in Entrepreneurship"*

Highlights include:

1. Completed the analysis, revisions, write-up, and publication of my American Sociological Review article on microfinance loan managers and my Social Forces article on gender bias in peer-to-peer lending.
2. Hosted visiting researcher Professor Janice Byrne from IESEG in Paris, France. During her time here, we revised and resubmitted one co-authored paper on gender inequality in family business (now under second round revise and resubmit). We also began work on a new interview-based project on gender and entrepreneurship. We have received IRB approval for this project from UCSB and have conducted 2 preliminary interviews.
3. I am currently conducting pretests for a survey experiment which is being conducted on Amazon Turk. This is a large study which investigates how uncertainty and constrained resources affect gender biases in entrepreneurial investment decisions.
4. Co-edited Social Sciences volume on gender inequality in Science, Technology, Engineering and Math education and careers with Maria Charles.

**VANDERWARKER, AMBER**  
**BIWER, MATTHEW**

*National Science Foundation: "Doctoral Dissertation Research: Cuisine, Colonialism, and Culture Contact: An Analysis of Paleoethnobotanical Remains in the Wari Empire (AD 600-1000)"*

Over the last year I have focused on the collection and analysis of plant remains from 3 archaeological sites in Peru. After spending 5 months in Peru last year, I have collected over 300 samples. The focus of the next academic year will be completing analysis by the end of September, after which I will begin writing my dissertation.

**VESPA, EMANUEL**

*National Science Foundation: "An Exploration of Behavior in Dynamic Games"*

The research proposal involves four projects and a project that serves as motivation for the proposal (Project 0) that was already work in progress at the time the proposal was submitted.

For the third project software was designed, the experiments were conducted, the data has been analyzed and a completed paper is available on the web and one submission was carried out. We are currently revising the draft and we aim to submit this paper to a journal within the next two months. For the other projects we have focused on further developing the software and design, before scheduled experimental sessions in the Fall.

For all four projects explicitly described in the proposal experimental design and test-software have been written. Two of the five projects, Projects 0 and 3 have already been submitted for publication. Project 0 has been resubmitted after a revision request, while for Project 3 new experiments were conducted in response to the comments of the referees. A new version of the paper will be submitted in the Fall of 2017.

*ISBER/SSRGP: "Learning in Bayesian Games: An Exploration in the Laboratory"*

I have collected all data for the project. Throughout the fall of 2016 and the spring of 2017 I have conducted 18 sessions with approximately 20 participants per session. I have now finished collecting data. Data analysis is not yet complete, but is quite advanced. A draft of the experimental design and the main results is available and I'm working at the moment on writing a complete draft.

**VOORHIES, BARBARA**

*Various Donors: Gift*

During the review period Voorhies's principal activity was to shepherd an edited book manuscript through the final stages of submission and production. The book,

entitled *Prehistoric Games of North American Indians: Subarctic to Mesoamerica*, will be published by the University of Utah Press. Expected release is October, 2017.

Finally, Voorhies participated in field research for five weeks (end of May through June, 2017) at the archaeological site of Las Cuevas, Belize. This is her fourth season participating in this project, which is directed by Dr. Holley Moyes, UC-Merced. Voorhies's contribution this year was to supervise excavations at two locations within the Las Cuevas cave and at two platform mounds on the site surface.

## **WALSH, CASEY**

*UC Mexus: "Groundwater Use and Management in the Context of Globalized Agriculture and Climate Change"*

During the 2016-17 academic year we continued to participate actively in groundwater management process, advising local actors. We attended 2 or 3 meetings in Paso Robles and Cuyama each month, as well as meetings of the SB County Board of Supervisors. We finished one chapter for a book, and gave 4 presentations on the topic. Two undergraduate students and two MA students contributed to the project with research.

## **WEINBERGER, CATHERINE**

*Gift Account: Research on Education and Labor Market Outcomes, including expenses associated with the College and Career Choices Study*

My primary project is a longitudinal study of the relationship between observed generosity and later labor market outcomes, with particular interest in factors that might influence selection into "caring" occupations or the science and engineering workforce. A behavioral measure of generosity was elicited in the base year, based on demonstrated willingness to give up earned money to help others. The base year survey was completed by randomly sampled college students in 2002 and 2004, with students in fields of interest oversampled. This study now has four completed waves with 681 individuals followed at least 7 years, and 584 followed 9 years or more. Follow-up surveys elicited descriptions of labor market outcomes including earnings, hours worked per week, weeks worked per year, occupation, and specific job-tasks performed on a regular basis.

A related project involves an experiment designed to determine the relationship between a short personality assessment included in the fourth wave survey and two well-established personality instruments. I want to learn the extent to which the measure of generosity used in my study is related to a personality trait known as "agreeableness" in the psychology literature. The completed experiment established that the measure of agreeableness I included in my fourth wave survey is highly correlated with an agreeableness measure typically elicited by a much longer personality instrument. This is important because I wanted to rule out the

possibility that the measure I developed might be fraught with measurement error. This experiment benefited from access to the ISBER-supported UCSB Social Research Participants Pool.

Another project in progress is a study of labor markets for Ph.D. scientists. One important finding is an upward trend in the reported number of hours worked per week among Ph.D. scientists at top research universities, against a background of falling weekly hours among typical U.S. workers at all levels of education, and also among Ph.D. scientists at other colleges and universities.

A large study of outcomes associated with expansion of access to bachelor's degree programs in engineering and computer science, particularly at Historically Black Colleges and Universities, has culminated in a book chapter. I intend to continue research on this topic in the near future.

**WILSON, GREG**  
**FRIBERG, CHRISTINA**

*National Science Foundation: "Doctoral Dissertation Research: Cahokian Influence and Local Innovation: A Perspective from the Neighboring Lower Illinois River Valley"*

From June 15th to August 1st 2016, the co-PI directed the Audrey Site Archaeological Project in Eldred, IL with funding from the National Science Foundation DDRI (award #1614379). With a crew of 5 people, she organized the excavation and mapping of two houses and multiple pit features at the early Mississippian village site. The field season was very successful, resulting in the collection of a large amount of data for her dissertation. Materials were shipped from Illinois to the University of California, Santa Barbara for analysis.

Upon returning to UCSB with the materials collected over the field season, the co-PI spent from August 1st to the end of fall quarter (December 15th 2016) analyzing the collection. She accomplished this with help from undergraduate lab interns who have received university credit for their work through the ANTH 194p course. The co-PI supervised the interns through washing and sorting of excavated materials and basic ceramic and lithic analysis. As the professor of record, PI Greg Wilson double-checked all their work. These students not only gained lab experience, but learned a lot about the analysis stage of the archaeological process (which is a rare opportunity for undergraduates). The co-PI (Friberg) presented the preliminary data at the Southeastern Archaeology Conference in Athens, GA in October 2016 (paper and presentation listed in "presentations and conferences" section) and will present the results in more detail at this year's SEAC meetings in Tulsa, Oklahoma.

A total of 7794 pottery sherds (weighing 18,504 g) were sorted by temper, surface finish, and decoration and counted and weighed. After an extensive refitting project, a minimum of 81 vessels were identified and analyzed. Measurements of lip shape

and rim angle were taken for comparison to Cahokian assemblages in addition to pottery in other northern hinterland regions. The co-PI has written up this analysis and have a completed draft of my ceramics chapter for my dissertation.

Analysis of Lithic material recovered yielded 2080 chert flakes and tools (weighing 5 kg). The density of chert (kg chert per cubic meter excavated) found in our excavations at Audrey is over ten times what was recovered in the Tract 15A excavations at Cahokia. This is likely due to the fact that Audrey is located close to a source of Burlington chert, resulting in more early stage production happening on site rather than at the source. This may also be the reason for the large amounts of limestone recovered (n=2240, 28 kg); the majority of the limestone was unworked, burnt, and poorly preserved, suggesting it was used for indirect heat cooking features.

Two Mill Creek hoes reworked into adzes were recovered, in addition to several hoe resharpening flakes, identified by the material and their high degree of polish from use. This is significant as Mill Creek hoes, produced at the Mill Creek chert quarries in southern Illinois, were economically valuable to Mississippian farmers. Cahokia was a major consumer and redistributor of Mill Creek hoes, and the prevalence of these tools in lithic assemblages decreases with distance from Cahokia to where there is virtually no Mill Creek chert in hinterland assemblages; the exceptions are settlements with direct economic connections to Cahokia. While Mill Creek chert only makes up a small percentage of Audrey's chert assemblage, there is significantly more of this valuable material at Audrey than in the Central Illinois River Valley and the Apple River Valley to the north, suggesting Audrey residents may have had more regular interactions with Cahokians.

Fragments of two basalt celts were recovered in addition to the several already collected by the landowner during plowing episodes. The celts appear to be made from St. Francois Mountain basalt, though chemical or other methods of sourcing would be necessary to confirm this. This is significant because Cahokians produced finely made celts (hafted woodworking tools) almost exclusively using basalt from the St. Francois Mountains in the Missouri Ozarks. An uneven distribution of celt production debitage at Cahokia and other sites has been interpreted as evidence that this industry was under some level of elite control. Caches of these celts have been found at several sites in the greater American Bottom, but there is little evidence for their production at northern hinterland settlements. There is not much evidence to suggest these celts were produced at Audrey; they may have been imported from Cahokia. However, a large cobble of unworked basalt (similar to St. Francois Mountain basalt) was found on the floor of feature 23, the larger of the two Mississippian houses excavated. Again, further testing is needed, but if the cobble did in fact originate from the Missouri Ozarks, and Audrey residents obtained it in raw form, this could be an indication of closer ties with Cahokia through which Audrey residents obtained access to this economically important raw material. Several other types of exotic lithic materials were identified. These include Cobden chert from southern Illinois, Knife River chalcedony from western North Dakota,

and Hixton silicified sandstone from western Wisconsin. The presence of these exotic materials suggests that Audrey residents were engaged in interactions with groups independently from their American Bottom exchange networks. While it is possible that Cahokians (or affiliation with Cahokia) may have helped broker Audrey's far flung interactions, these relationships indicate Audrey's independent involvement in the Mississippian sphere and beyond.

**WILSON, GREG**

**SANTY, JENNA**

*National Science Foundation: "Doctoral Dissertation Research: Changing Household, Changing Community: A Case Study from Owens Valley, CA."*

I completed excavations at INY-3904 in July 2016. From there, I began processing the collection and pulling together additional materials from other sites for analysis. I started formal analysis of the plant remains (the focus of my dissertation) in December of 2016, and am on track to complete them by the end of the year. Additionally, undergraduate students have been assisting me in the processing and analysis of other archaeological materials from the site, including chipped stone and plant remains.



# ISBER

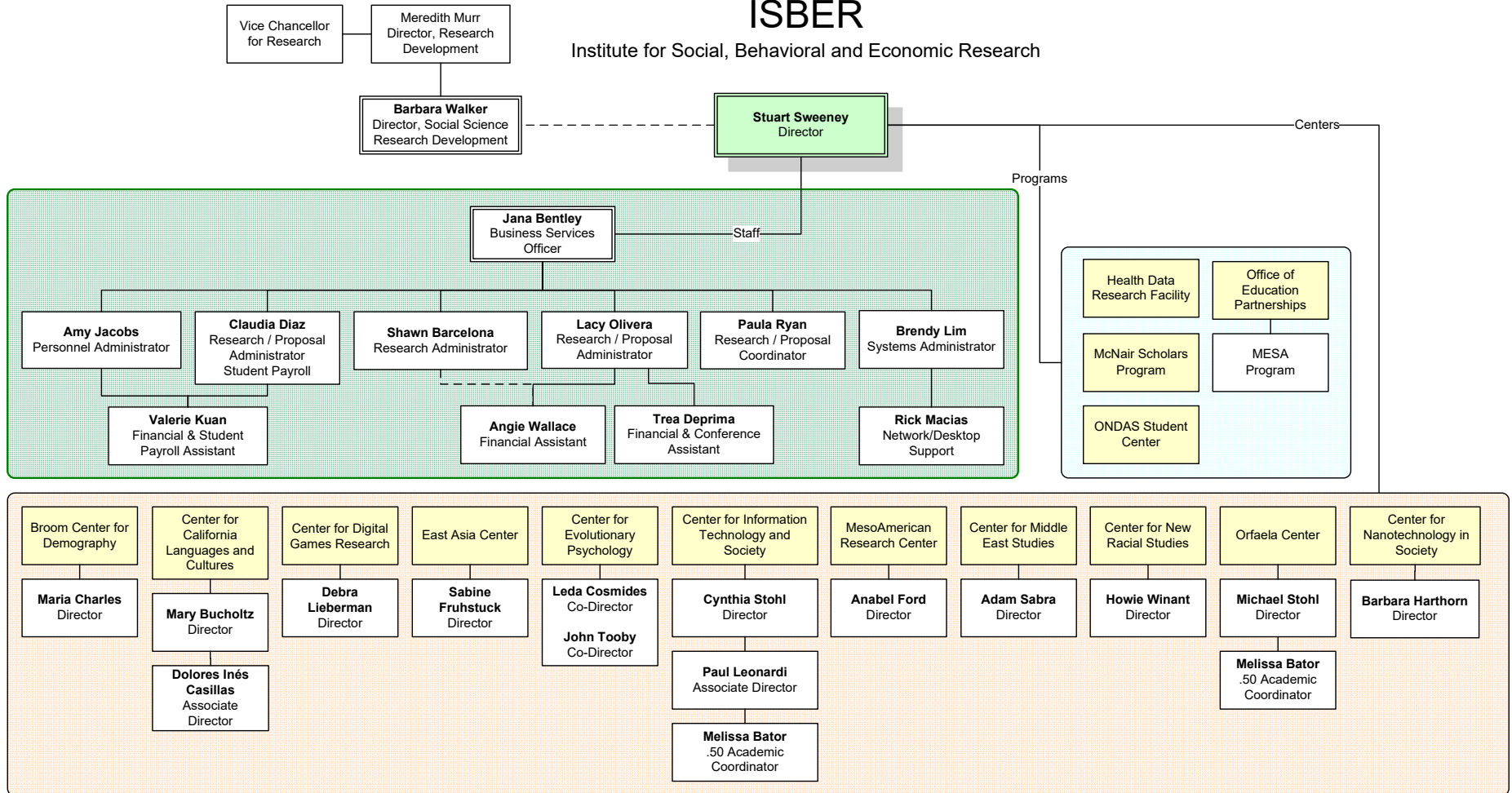
Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

## Organizational Chart 2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

# ISBER

Institute for Social, Behavioral and Economic Research







# ISBER

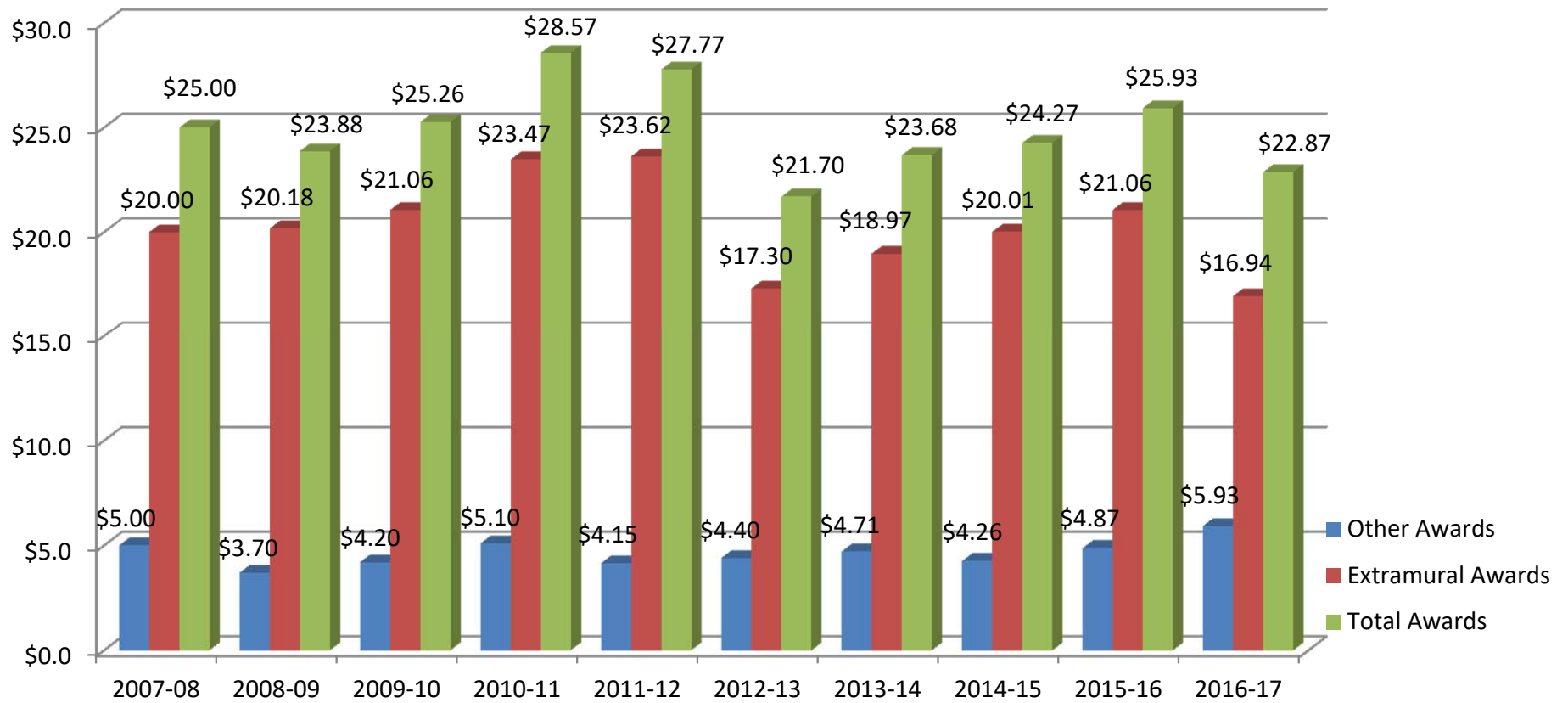
Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

## Graphs & Charts 2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

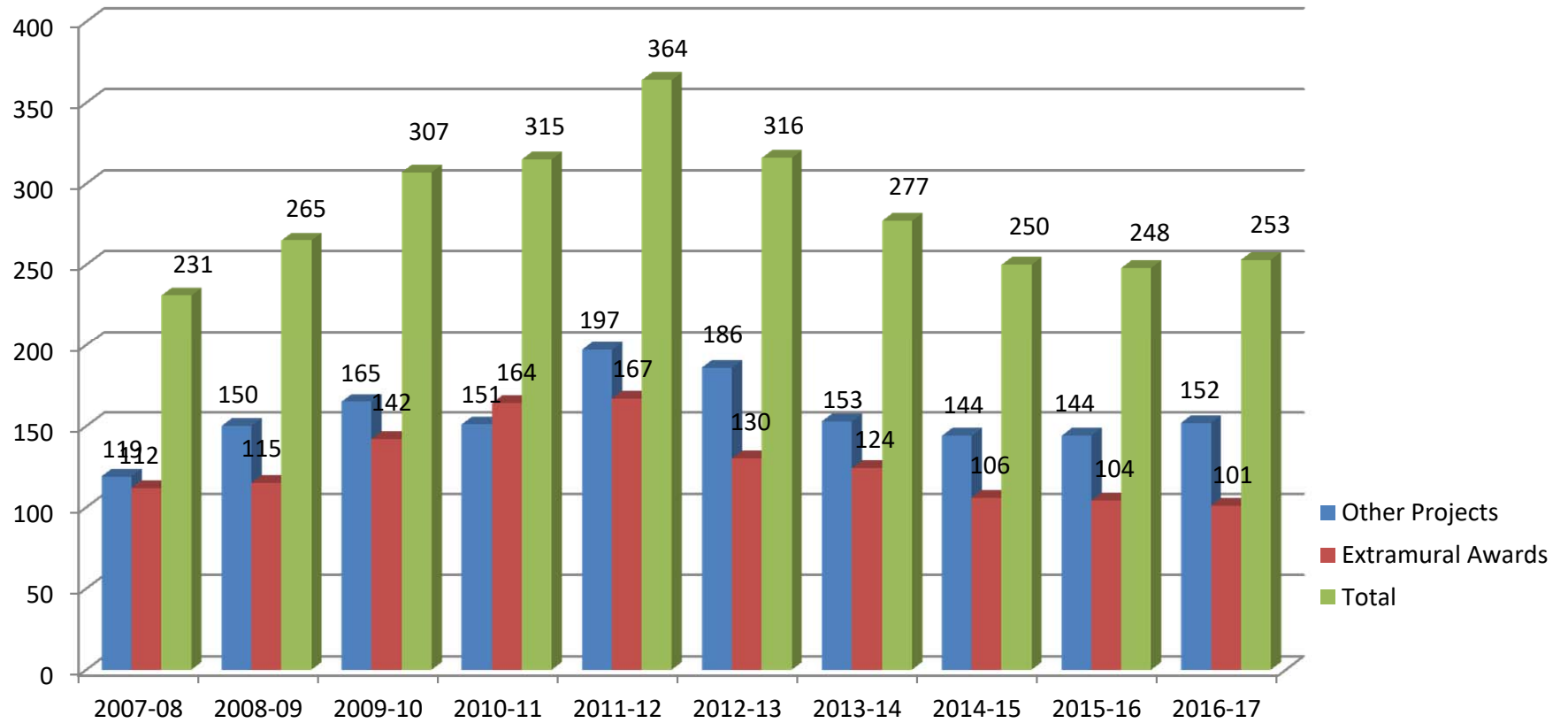
# ISBER

## Value of Projects Administered Extramural, Others, and Total 2007-08 through 2016-17 (millions of dollars)

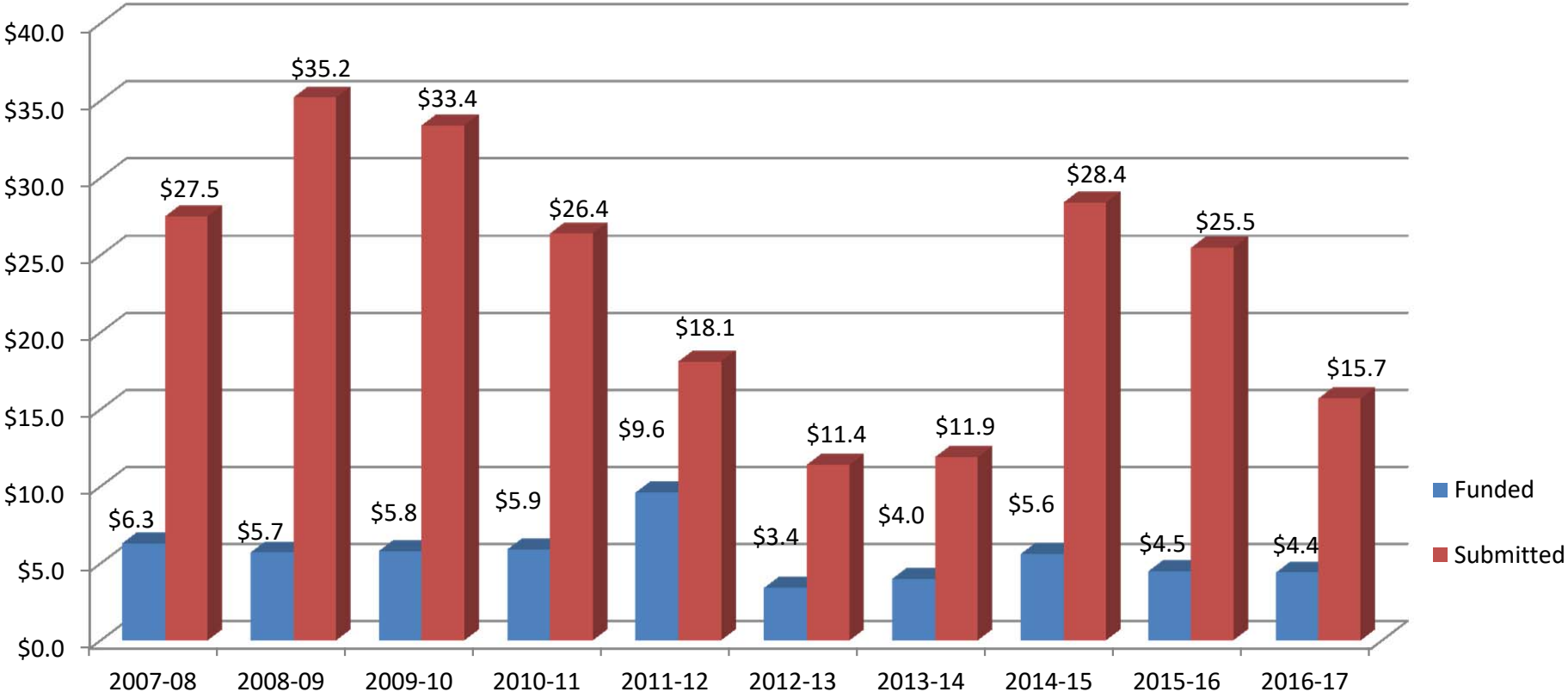


# ISBER

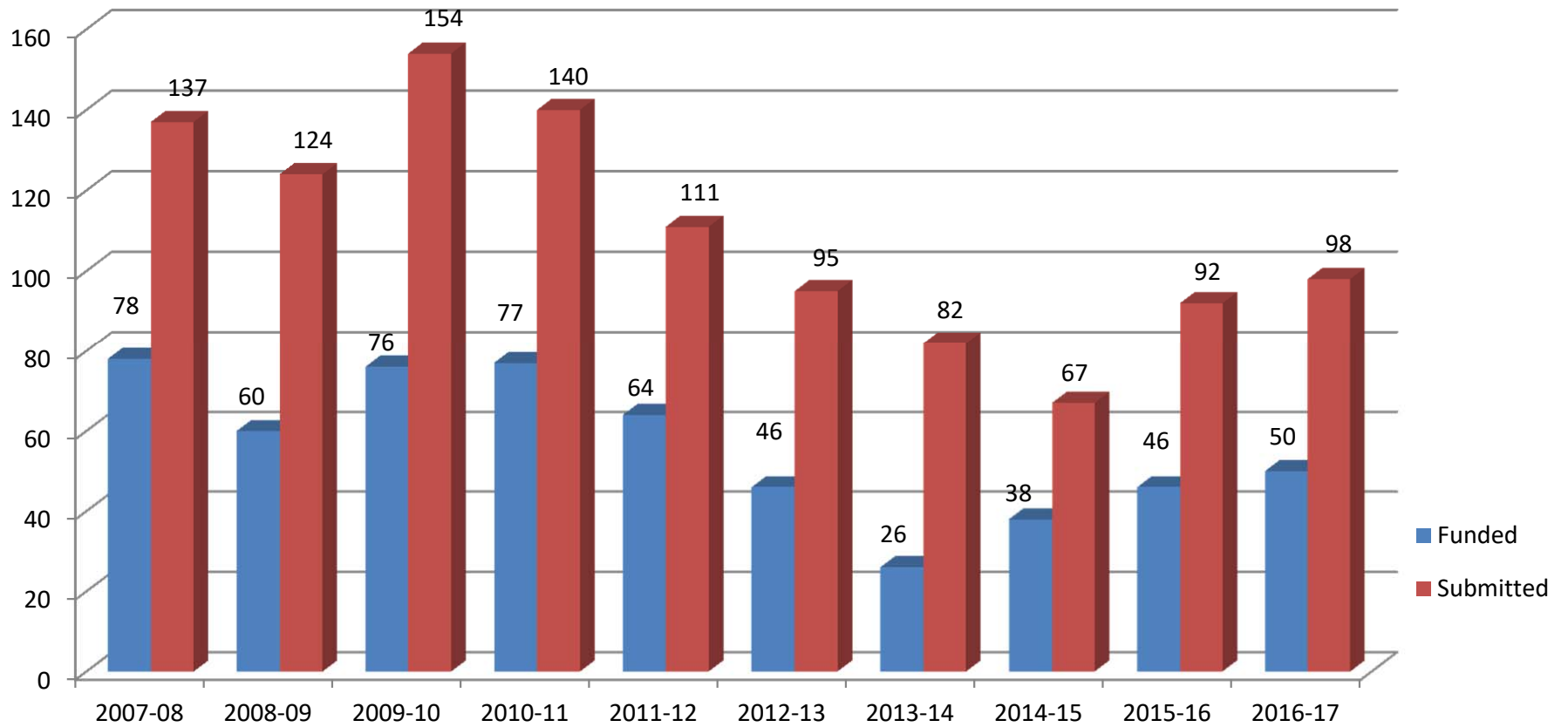
## Number of Projects Administered Extramural, Others, and Total 2007-08 through 2016-17



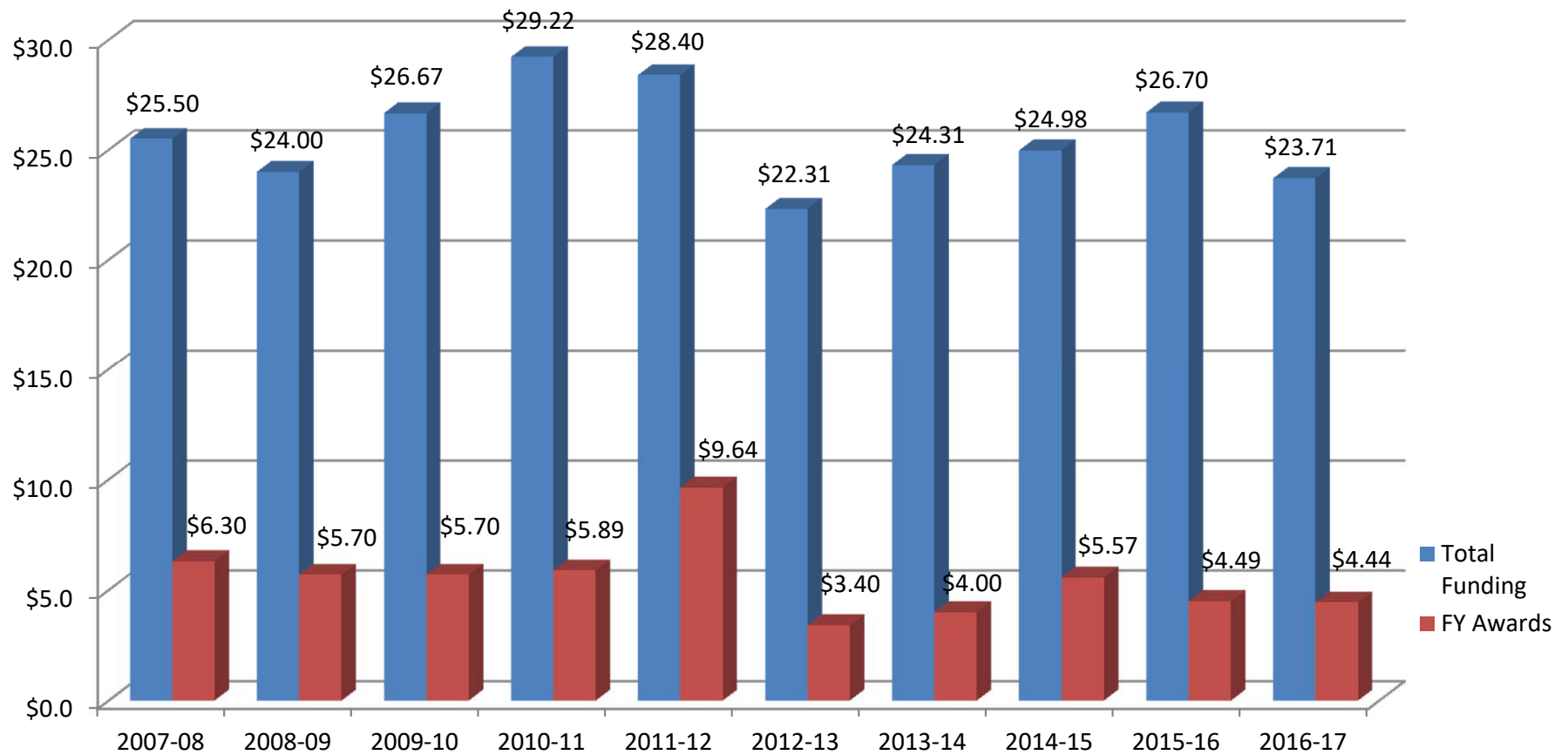
**ISBER**  
**Value of Proposals Submitted and Funded**  
**2007-08 through 2016-17**  
**(Excludes Royalties & Gifts)**  
**(millions of dollars)**



**ISBER**  
**Number of Proposals Submitted and Funded**  
**2007-08 through 2016-17**  
**(Excludes Royalties & Gifts)**



**ISBER  
Funds Administered  
2007-08 through 2016-17  
(millions of dollars)**





# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

## Other Projects & Activities 2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

## WORKSHOPS AND CONFERENCES

July 1, 2016 – June 30, 2017

### **ALAGONA, PETER**

Title: Institute for the Study of Ecological and Evolutionary Climate Impacts, History Working Group Retreat

Location: Sierra Nevada Aquatic Research Laboratory, Mammoth Lakes, California

Date: August 4-7, 2016

Description: A retreat for faculty, fellows, and students affiliated with the ISEECI working group using historical data to study ecological change on the UC natural reserves and beyond

### **BERRY, MICHAEL**

International Conference: Invisible Empire: Spirits and Animism in Contemporary Japan, February 25-26, 2017

This conference is an attempt to take seriously the metaphysical implications of the contemporary Japanese culture of spirits. Presentations will analyze various modes of representation of spirits (in contemporary art, architecture, visual culture, cinema, diffuse spirituality) and at the same time addressing their underlying intellectual and religious assumptions which, in the case of a few important authors, were made explicit as part of larger philosophical endeavors. The papers will analyze specific cases of “animistic attitudes” in which the presence of “spirits” and spiritual forces is alleged, attempt to trace cultural genealogies of those attitudes, and produce conceptual maps of current animistic ideas about spirits. Organized by Fabio Rambelli, ISF Chair of Shinto Studies.

*Co-sponsored with the UCSB departments of: East Asian Languages and Cultural Studies, Religious Studies, History of Art and Architecture, English, Film and Media Studies, Comparative Literature, Interdisciplinary Humanities Center and East Asia Center*

### **CHARLES, MARIA**

"Gender Inequalities in STEM Education and Occupations"

May 1, 2017

This one-day cross-disciplinary workshop sponsored by the Leonard and Gretchan Broom Center for Demography at UCSB will feature research from leading economists, psychologists, and sociologists on the sources and consequences of women's underrepresentation in scientific, technical, engineering, and mathematics ("STEM") fields of study and occupations. Although women have made great strides



in gaining access to labor markets and systems of higher education in the United States, many STEM fields—particularly in certain physical sciences and engineering—remain strongly male dominated. The goal of this conference is to generate a broader conversation about the individual, structural, and cultural dynamics underlying the gender segregation of STEM fields, the ways in which gender may interact with racial, ethnic, class, and/or sexual identities in these domains, and how these dynamics may vary across time and across contexts.

### Speakers

Mary Blair-Loy (UC San Diego, Sociology)

Sapna Cheryan (University of Washington, Psychology)

Erin Cech (University of Michigan – Ann Arbor, Sociology)

Stefanie Fischer (Cal Poly – San Luis Obispo, Economics)

Dafna Gelbgiser (Cornell University, Study for the Center of Inequality)

Donna Ginther (University of Kansas, Economics)

Sharon Sassler (Cornell University, Policy Analysis and Management)

Kim Shauman (UC Davis, Sociology)

Cate Taylor (Indiana University, Bloomington, Gender Studies and Sociology)

Bruce Weinberg (Ohio State University, Economics)

## **RAMBELLI, FABIO**

International Conference: Repositioning Shugendō: New Research Directions on Japanese Mountain Religions, UCSB, McCune Conference Room, June 19-20, 2017.

The conference aims at reconsidering the study of Shugendō through a historico-religious perspective, in contrast with the currently dominant ethnological approach. The participants will discuss doctrinal and practical interactions between Shugendō and other religious traditions such as Onmyōdō (“Way of Yin and Yang”), Shintō, and Esoteric Buddhism, in order to situate Shugendō within the broader Japanese religious mindscape. In particular, the influence of Shugendō not only in relation to sacred mountains (as it is mostly done), but also to rural areas and urban centers will be addressed. Moreover, the nature of “mountain religion” in general shall be problematized as a complex set of diverse phenomena involving not only Shugendō specialists, but also members of other religious traditions and even non-affiliated laypeople. The ultimate objective of the conference is to lead to a thorough reconfiguration of the sacred cultural geography of Shugendō. In detail, papers will focus on the following themes: (i) Visual, literary, and artistic strategies related to En no Gyōja, the legendary founder of Shugendō, as mechanisms of reinvention of the past and establishment of authority through texts, images, and symbols; (ii) sacred mountains located in peripheral areas such as Togakushi and Yudono, or Mt. Fuji (which was the place of practice for non-Shugendō mountain ascetics as well); (iii) networks involving Shugendō practitioners and other religious figures such as itinerant ascetics or lay members of religious confraternities (kō), as a way to bring

to the fore the complex systems of alliances, competitions, and collaborations that always characterized Shugendō institutions.

Speakers included Caleb Carter (Johns Hopkins University), William Fleming (UCSB), Fujioka Yutaka (Ōsaka University), Hasegawa Kenji (Tokushima Prefectural Museum), Hayashi Makoto (Aichi Gakuin University), Kawasaki Tsuyoshi (Shūjitsu University), Max Moerman (Barnard College), Niki Natsumi (National Institute of Technology, Akashi College), Fabio Rambelli (UCSB), Carina Roth (UCSB), Janine Sawada (Brown University), Gaynor Sekimori (SOAS), and Suzuki Masataka (Keiō University).

*Co-sponsored with Shinto Studies Chair, Dept. of East Asian Languages and Cultural Studies, Department of Religious Studies, College of Letters and Science, East Asia Center and with the support of the Association for Asian Studies grant.*

## **STOHL, MICHAEL**

TRENDS Research & Advisory, together with the International Centre for the Study of Radicalisation and Political Violence (ICSR) at King's College London, and the Orfalea Centre of the University of California, Santa Barbara, organized a conference on December 6-7, 2016 at King's College, London.

The theme of the conference is the Constructions of Terrorism: Reconciling Human Rights, Human Security in Countering Terrorism. This is the third conference in the Constructions of Terrorism project. This conference will explore key issues being faced in countering extremism and terrorism, such as: The dilemmas faced by states in providing security for society and individuals while ensuring efforts are directed at preventing terrorist attacks; Military and legal strategies for responding to terrorism at home and abroad and the consequences these may have for security at home and the wider world; Strategies for dealing with extremism in society and how to ensure security measures do not increase fear or contribute to extremist agendas; and Strategies for preventing extremism in society and how to deal with groups/individuals that espouse and support violence and extremist objectives.

Workshop on Human Rights "Contracting Human Rights: Crisis, Accountability, and Opportunity," January 27-28, 2017, UCSB.

Workshop participants included: Alison Brysk (Political Science, UCSB), Gershon Shafir (Sociology, UCSD), Claire Wright (Law and Social Sciences, Universidad de Monterrey), Feryal Cherif (Political Science, Loyola Marymount University), Natasha Bennett (Graduate Student, Political Science, UCSB), George Andreopoulos (Political Science, City University of New York), Kirstin Ainley (International Relations, London School of Economics), Keith Watenpaugh (Religious Studies, UC Davis), Michael Etter (ETHOS Center for Responsible Enterprise, Cass Business School), Clair Apodaca (Political Science, Virginia Tech), Phillip Ayoub (Dept. of Politics, Drexel University), Felipe Gómez Isa (Dept of Public International Law, University of

Deusto (Bilbao)), Wayne Sandholtz (School of International Relations, USC), Arturo Jimenez-Bacardi (International Relations, University of South Florida, St Petersburg), John Kirk Boyd (Director, Unite for Rights), Anthony Chase (Diplomacy and World Affairs, Occidental College), Jesilyn Faust (Graduate Student, Global Studies, UCSB), Michael Stohl (Director, Orfalea Center, UCSB), Cynthia Stohl (Communication, UCSB), Mariano Bertucci (Visiting Scholar, Orfalea Center, UCSB)

*Sponsored by the Orfalea Center's Governance & Human Rights Hub.*

### **THÉBAUD, SARAH**

Research Workshop: Gender Inequality in STEM Education and Organizations at UCSB (Mosher Alumni House) on May 1, 2017

This conference brought together leading scholars in Sociology, Economics, and Psychology who are working to address gender disparities in STEM careers.

Co-hosts were Maria Charles and Shelly Lundberg, UCSB.

## RESEARCH IN PROGRESS – GRADUATE STUDENTS

July 1, 2015– June 30, 2016

*The majority of projects administered by ISBER involve graduate students. During 2016/17, 94 graduate students were employed by ISBER projects. The following are projects that were proposed and funded solely for graduate students and dissertation support.*

**BUCHOLTZ, MARY, Principal Investigator**

**LOVE-NICHOLS, JESSICA, Co-Principal Investigator**

Orgullosamente Indígena: Creating Sociolinguistic Justice through Collaborative Activism  
UC Mexus

SB170050/UCSB 20170262

10/01/16 – 03/31/17

\$1,480

Fifty miles south of the UC Santa Barbara campus is a community of almost 20,000 indigenous migrants from Southern Mexico, many of whom who are legally, economically, and linguistically marginalized. In 2016, as part of a UCSB-sponsored linguistics outreach program, two co-teachers and I taught a five-month-long college level inquiry-based sociolinguistics course to the Tequio youth group at the Mixteco Indígena Community Organizing Project (MICOP) in Oxnard, California. At the end of the course, students and researchers created a preliminary documentary focused on students' experiences speaking diasporic varieties of Mixtec and Zapotec, which showcased the key role that language plays in many institutional obstacles that affect indigenous communities. The preliminary film, entitled Orgullosamente Indígena, received extremely positive results, spurring the decision to build on that success by creating a longer, more polished video for dissemination to a wider audience. The proposed research project, which will consist of collaborative filmmaking, participant observation, and ethnographic interviews, aims to analyze the potential of artistic and social activism as a site for the creation of sociolinguistic justice.

**CHAVEZ-GARCIA, MIROSLAVA, Principal Investigator**

**BERMUDEZ, ROSIE, Co-Principal Investigator**

Chicana Welfare Rights: Alicia Escalante and the East Los Angeles Welfare Rights  
Organization, 1967-1974

UC Mexus

SB170092/UCSB 20170274

01/01/17 – 12/31/18

\$11,966

Escalante's struggle for economic justice and human dignity articulated an activism and feminism rooted in the lived experience of poor women of color across, among, and within multiple constituencies and social movements. As my dissertation will demonstrate, this little known history forces us to rethink the gender, racial, and sexual politics of the social movements of the 1960s and 1970s and calls for space in the histories of the welfare rights, Chicana and Chicano, and feminist movements. The history of Escalante and the ELAWRO as well as the broader vision they articulated also force us to reconsider the activism that

took place in the multiple social movements of the 1960s and 1970s. This reimagining and rearticulation is important in order to capture a more nuanced, complex, and accurate understanding of the legacy of these social movements for past, present, and future struggles of economic justice and human dignity. More than a history and an intervention that deepens our understanding of the complexity of the social movements that fought for civil, feminist, and human rights, this study is also a political biography of leadership that provides new insights historically and contemporarily.

**GURVEN, MICHAEL D., Principal Investigator**

**PISOR, ANNE C., Co-Principal Investigator**

Doctoral Dissertation Research: Expanded Group Affiliation, Trust and Prosociality in Lowland Bolivia

National Science Foundation

BCS-1357209/UCSB 20140149

06/01/14 – 11/30/16

\$15,249

Trust and prosociality are critical to cross-population collaboration, particularly for heterogeneous groups. Trust is the belief that others will not take advantage of you, and prosociality refers to behavior favoring others at personal cost. Though researchers have found that socioeconomic change (termed differently across social science disciplines) is often associated with more trust and prosociality toward strangers, most studies of prosocial behavior and trust rely on data from large-scale, market societies like the US. Little is known about how trusting and prosocial behavior shift as populations undergo socioeconomic change. The proposed project investigates how changes in trust and prosociality may be related to the expansion of a person's group affiliations, increasing the number of individuals in her in-group(s). An individual will expand her group affiliation strategically when the pay-offs of a larger network exceed the gains she can achieve in her current in-group. A person's expectations of strangers may shift as former "others" become in-group, increasing the number of individuals she trusts and her prosociality toward strangers.

The proposed research asks: (1) Are people with expanded group affiliations (EGA) more trusting of, and prosocial toward, strangers than those with fewer people in their in-groups? (2) What contextual and individual characteristics make EGA more likely? (3) Does EGA mediate the effects of socioeconomic change on prosociality and trust? These questions will be investigated in three populations of horticulturalists from the Bolivian lowlands: the Tsimane', the Mosen, and the multicultural district of Tucup. The project adopts a mixed-methods approach, including a semi-structured interview and economic experiment, to better elucidate relationships between these variables established by existing research.

**MITHUN, MARIANNE, Principal Investigator**  
**CAMINSKY WZENCZNY, DIBELLA, Co-Principal Investigator**

Doctoral Dissertation Research: The History of the Koryak Language and Its Dialects  
National Science Foundation

1451796/UCSB 20150020

06/01/15 – 05/31/18

\$20,034

This project investigates the history of the Koryak language [kpy] via linguistic documentation and analysis of its varied dialects, which form a broad, divergent continuum across the Kamchatka peninsula in the Russian Federation. The project will constitute a part of the co-PI's ongoing dissertation research on the Koryak language(s), and will contribute towards the completion of the dissertation "Proto-Koryak Morphosyntax". The ultimate research goal of this project is a reconstruction of Proto-Koryak phonology, morphology, and syntax and a better understanding of the diachronic developments leading to each of the divergent Koryak dialects, as well as the internal divisions within the Chukotko-Kamchatkan family at large. The value of a comparison of a large number of dialects lies in the potential it offers to demonstrate incremental change and highlight stages of grammatical change. However, given the nearly non-existent state of documentation and description for the Koryak dialects other than Palana Chawchu and Chavchuyen, the project will also necessarily involve a great deal of documentation, primary description and grammatical analysis.

**PALERM, JUAN-VICENTE, Co-Principal Investigator**

**LA MON, SHELLEY, Principal Investigator**

From the Far South to the North: The New International Migration of Indigenous Mexicans to the United States

UC Mexus

SB150096/UCSB 20150307

01/01/15 – 12/31/16

\$12,000

This dissertation research project will employ ethnographic methodology to study the recent international migration of indigenous Tsotsil Maya migrants from Chiapas, Mexico to the United States. The arrival of a new wave of indigenous Mexican migrants offers a pivotal opportunity to study the changing sociocultural landscape of U.S.- Mexican migration as well as the role of indigenous ethnic identity in the formation of pan-ethnic alliances and transnational communities. An overarching research objective is to test existing theories on the relationship between indigenous Mexican migration and ethnogenesis (ethnic renewal and identity transformation) by examining the migration experiences of two different indigenous communities residing in the United States: Mixtecos in Oxnard, California and Tsotsil-Maya in Tampa, Florida. Data gathered on 1) levels of inter- and intra-communal cohesion or conflict in migrant-sending and -receiving communities, 2) the density and composition of transnational networks and 3) interactions between and among native U.S. residents, Mexican mestizo immigrants, and new indigenous migrants within receiving communities will allow for deeper understandings of the ways new immigrant groups employ cultural resources and ethnic identity to navigate the challenges of adaptation in the United States.

**SCHREIBER, KATHARINA, Principal Investigator**  
**KERCHUSKY, SARAH, Co-Principal Investigator**

Doctoral Dissertation Improvement Grant: Local Socioeconomic and Political Development in a Context of Imperial Expansion, Nasca-Wari Interactions at the site of Zorropa, Peru  
National Science Foundation

BCS-1441840/UCSB 20141116

08/01/14 – 07/31/16

\$25,006

Empires use strategies that are tailored to local socio-political and economic circumstances to expand their territory and consolidate new peoples and regions. Investigating the local circumstances (i.e., the historically contextualized local cultural practices, sociopolitical organization, and economic practices and organization) is therefore integral to a study of imperial interaction. The proposed project will investigate the impact of imperial encroachment on local cultural, political, and economic practices during the Middle Horizon (AD 750–1000) at a local habitation site Zorropata, located in the Las Trancas Valley in Nasca, Peru.

A 10-month program of archaeological survey, excavation, and analysis is proposed to investigate Nasca-Wari interactions during the Middle Horizon from a local perspective. Nasca culture developed in the arid Nasca and Ica Valleys during the Early Intermediate Period (EIP) (AD 1–750). In the Southern Nasca Region (SNR), the Wari Empire established three colonies, Pacheco, Pataraya, and Inkawasi in the northernmost valley, Nasca, and its two tributaries, Aja and Tierras Blancas, at the beginning of the Middle Horizon. Concomitant shifts in settlement patterns resulted in the majority of the local population relocating away from the Wari in the southernmost valley, Las Trancas. Settlement patterns from Las Trancas indicate increased stratification with the development of a hierarchical arrangement of sites. Zorropata is one of the largest Middle Horizon habitation sites (c. 30,000 m) in the Las Trancas Valley. Identified as a domestic site with a ceremonial function and a possible second-tier center this site is well suited for an investigation of imperial interaction from a local perspective. It has the potential to provide data on domestic life and economic activities and as a second-tier center, if Las Trancas communities interacted with the Wari this site may be a point at which that interaction occurred.

**SMITH, STUART TYSON, Co-Principal Investigator**  
**AKMENKALNS, JESSIKA, Co-Principal Investigator**

Doctoral Dissertation Research: Exploring Cultural Identity in the Ancient Nubian Hinterlands Before and After Egyptian Conquest

National Science Foundation

1559913/UCSB 20160190

01/01/16 – 12/31/17

\$25,200

This project will investigate colonial interactions between the ancient Egyptian state and the Nubian kingdom of Kerma (ca. 2500-1000 BC) in the northern part of Sudan. The period in question is characterized by stages of political unrest in which both states vied for control of the region. Such contexts are often characterized by distinct shifts in the ways local groups assert their cultural identities (Jones 2007; Smith 1995, 2003). Many scholars have assumed that colonial encounters necessarily result in the widespread assimilation of

indigenous groups into the cultural practices of the colonizer. Increasingly, however, researchers eschew this perspective, arguing that such assumptions overlook several crucial aspects of colonial interactions: 1) that these interactions occur not as isolated episodes but as long-term processes of entanglement; 2) that a colonizer-colonized dichotomy does not exist in every colonial setting, and 3) that culture change is multidirectional and transforms participants in colonial processes diverse ways.

This project adopts the latter approach, investigating these conditions at the sites of Hannek and Abu Fatima at the Third Cataract of the Nile River in northern Sudan. Data from these sites will allow for a diachronic settlement and mortuary perspective that spans the Kerma period and a more thorough reconstruction of rural lifeways. The project is therefore well suited to examining identity markers in both varying contexts during the period when Kerma controlled the region, and also during the subsequent Egyptian colonial period. Identities can be expressed through personal adornment, foodways, decorative motifs, architectural styles and construction techniques, and ceramic and lithic styles and production methods. The proposed research is therefore poised to provide insight into the ways long-term colonial entanglements influenced local conceptualizations of identity in the Kerma hinterlands.

A two-month program of targeted excavation will be executed in the settlement at Hannek and the cemetery at Abu Fatima. Specifically, these excavations will generate data in the form of ceramics, lithics, faunal and botanical remains, tools, jewelry, human remains, and domestic, public, and funerary architecture. An additional ten months of data analysis will be conducted in the field laboratory in Sudan and at the Nubian and Egyptian Archaeology Laboratory at the University of California, Santa Barbara.

**VANDERWARKER, AMBER, Principal Investigator**

**BIWER, MATTHEW, Co-Principal Investigator**

Doctoral Dissertation Research: Cuisine, Colonialism, and Culture Contact: An Analysis of Paleoethnobotanical Remains in the Wari Empire (AD 600-1000)

National Science Foundation

1634065/UCSB 20160849

06/01/16 – 01/31/18

\$12,940

Culture contact between imperial colonists and indigenous peoples is a process of negotiation where all sides contribute to the interaction. The goals of this project are to evaluate: (1) the ways in which food signaled the identities of colonists of the Middle Horizon Wari Empire (AD 600-1000) of Peru and indigenous Huaracane peoples of the Moquegua Valley, Peru, and (2) how food served as a medium for culture contact between these groups. As the first Empire of the Andes, predating the Inca Empire by around 400 years, the Wari Empire has been the subject of intense archaeological research for the past 40 years. However, we know relatively little of the identities Wari peoples, and many questions remain as to how Wari colonists interacted with the diverse array of ethnic groups they met as their empire expanded. Wari sites in the Ayacucho heartland and in the colonies provide preliminary evidence for a shared Wari cuisine (see Sayre et al. 2012), though archaeologists have yet to compare foodways throughout the empire. Additionally, while previous studies have focused on how and why Wari colonists expanded and



interacted with new ethnic groups within their empire (e.g., Belisle 2015; Covey et al. 2013; Isbell 2006, 2008; Jennings 2010; McEwan 2005; Scribeur 1992; Tung 2012), food has yet to be considered as a medium through which Wari colonists could have interacted with local peoples.

This project will include paleoethnobotanical data from: (1) the Wari heartland in Ayacucho; (2) Wari colonies in the Moquegua and Cuzco Valleys; and (3) an indigenous Huaracane site that both predates and is coeval with Wari incursion in Moquegua. Data from these locales will allow us to: (a) establish which plant foods were part of colonial and indigenous diets; (b) examine how plant foods can be used to differentiate identity and class within these communities; and (c) evaluate the ways cuisine can be a medium of culture contact between colonists and indigenous peoples. This project will include macro and microbotanical analysis from multiple social contexts in Wari and Huaracane sites in the Moquegua and Cuzco Valleys to ensure a comprehensive representation of different socioeconomic classes at the sites. These regions are well-suited for investigating culture contact between Wari and indigenous peoples due to the presence of Wari administrative centers in both Moquegua and Cuzco and a coeval indigenous Huaracane site located near Cerro Baul in Moquegua. Comparing two Wari sites located in separate regions of the Empire, when related with extant paleoethnobotanical data from the Ayacucho heartland, will allow for the characterization of Wari cuisine. Additionally, comparing Wari cuisine to an indigenous site in Moquegua dating prior to and during Wari incursion will provide a baseline for foodways before and during local contact with Wari colonists where local identities through food and exchanges of culinary practices may be observed.

**WILSON, GREG, Principal Investigator**

**FRIBERG, CHRISTINA, Co-Principal Investigator**

Doctoral Dissertation Research: Cahokian Influence and Local Innovation: A Perspective from the Neighboring Lower Illinois River Valley

National Science Foundation

1614379/UCSB 20160452

06/01/16 – 12/31/17

\$25,100

The political expansion of complex societies is best understood when identity formation and shifts in daily practice are considered in tandem with economic relations and the negotiation of political alliances. The goals of the proposed project are to evaluate how and why the complex Mississippian polity of Cahokia extended its influence over the North American midcontinent, and the ways in which Woodland communities negotiated new identities and practices by participating in this process. Cahokia was the largest PreColumbian polity in North America and its inhabitants spread aspects of Mississippian culture as far north as the Red Wing locality in northwest Wisconsin and southeast Minnesota, some 800 km from Cahokia (Emerson 1991; Emerson and Pauketat 2008; Galloway 1989; Hall 1991; King 2007; Knight 2006; Stoltman 1991). However, little is understood about how Cahokians initiated these distant interactions, and how and why local groups participated in them. Settlements in the American Bottom region of southwestern Illinois show evidence of direct political and economic ties with the paramount center of Cahokia. Archaeological research in Cahokia's northern hinterland has further shown that the inhabitants of frontier settlements selectively adopted certain

aspects of a Mississippian way of life, while maintaining a number of Woodland traditions (Bardolph 2014; Birmingham and Goldstein 2005; Delaney-Rivera 2000, 2004; Emerson 1991; Finney 1993; Friberg 2015; Millhouse 2012; VanDerwarker et al. 2013; Wilson 2011, 2012; Zych 2013). Negotiating contact with Cahokia had diverse outcomes in different regions. In order to understand variation in the nature of interactions in Cahokia's hinterland, this project focuses on both political and economic interaction and the social implications for identity and daily practice.

The Lower Illinois River Valley (LIRV), located on Cahokia's immediate northern periphery is well suited to this investigation of the Mississippianization process. The late 11th century and early 12th century Audrey site village (11Ge20) is targeted for excavation and analysis in order to determine (1) the inhabitants' social, political, and economic relationships with Cahokians and (2) how the LIRV's regional culture contact dynamic differed from that of other hinterland regions further north. This will be accomplished through an analysis and interregional comparison of craft production and exchange (political and economic interaction) in addition to household and community organization (daily practices) at the Audrey site.

**WILSON, GREG, Principal Investigator**

**SANTY, JENNA, Co-Principal Investigator**

Doctoral Dissertation Research: Changing Household, Changing Community: A Case Study from Owens Valley, CA

National Science Foundation

1627005/UCSB 20160713

05/15/16 - 04/30/18

\$25,195

While much attention has been paid to why small communities change over time (i.e., causative forces), less has been paid to how these changes manifested across social and spatial dimensions. Scholars have argued that changes in resource availability, population packing, and territorial circumscription often contribute to changes in social organization (Price and Brown 1985; Arnold 1996; Kennett 2005). Archaeological research has revealed that such conditions often correlate with the formation of well-defined corporate kin groups who coordinate their everyday production and consumption activities (Ames 1994; Fitzhugh 2003; Gamble 2008; Habu 2004; Hayden 1998; Hayden and Cannon 1982). However, the material signatures of these actions can sometimes be difficult to detect. Furthermore, the impact of such conditions on social organization are not well understood within the contexts of predominantly sedentary groups with inherited leadership positions and land ownership (Eerkens 2010:73) that lack other characteristics (e.g., elaborated social hierarchy) that would merit a "complex hunter-gatherer" designation.

The Owens Valley in eastern California is an ideal place to study the aforementioned issues. Beginning roughly 650 years ago, the regional inhabitants became more densely populated and logistically sedentary, intensified their collection of seeds, and began to manufacture and use pottery containers more widely. These changes mark the transition between the earlier Haiwee period (1400-650 BP) and the later Marana period (650 BP-contact) in the region. The funding requested here would contribute to work for a dissertation project that will ultimately analyze changes in social organization and interaction, specifically targeting

household and communities. Work will include analysis of existing collections from sites CA-INY-3806/H and -INY-8768, and excavation and analysis of collections from CA-INY-3904.

**PUBLIC SERVICE AND OTHER ACTIVITIES**  
**July 1, 2016– June 30, 2017**

**AHUJA, AMIT**

I plan to produce Opinion pieces in Indian newspapers as well as give public lectures in India to participate in the lively debate on skin color-based discrimination.

**BELTZ, GLENN**  
**CASTELLANOS, MARIO**

- UCSB MESA Center hosted its 18th Annual Science and Technology MESA Day (March 4, 2017) in collaboration with the Office of Education Partnerships; College of Engineering; California NanoSystems Institute; the Division of Mathematics, Life, and Physical Sciences; Office of Admissions; Early Academic Outreach Program; and STEM departments at UCSB. Over 500 MESA UCSB students participated and explored 22 STEM workshops and MESA Day competitions. S&T MESA Day is a major campus academic preparation and STEM education event, both for the target pre-college student population, and for over 200 UCSB students (MEP, Los Ingenieros, NSBE, SACNAS, and other student groups) who help plan, raise funds, and implement the event. Faculty, administrators, alumni, community, industry, and collaborative community college partners (Ventura and Santa Barbara MCCPs, plus Oxnard College STEM Center) are involved, and help advance MESA-MSP as a vital college-promoting STEM program for students and families. This year, UCSB MEP and Los Ingenieros (SHPE/MAES) and NSBE students, solicited over \$20,000 to help cover transportation, food, campus expenses, and supplies for UCSB MESA Days.
- MESA is a partner in the Hueneme High School Career Academy and Engineering Academy, and is represented on the Engineering Academy Advisory Board. This represents the first integration of a MESA class (a period focused on STEM education) into a high school academy. This can become a model for what should become widespread in the schools. The Pre-Engineering Academy students (rising 11th graders) visited UCSB for tours and met with a panel of MESA Engineering Program students.
- MESA collaborated with Santa Paula High School to coordinate and administer an annual Summer Math Academy, serving 67 rising 9th graders who are considered educationally disadvantaged or have low college-going rates. A similar program was also conducted at Oxnard High School with 41 students. MESA staff conducted STEM activities and hosted campus visits, and helped coordinate the Java programming session. While at UCSB, the pre-college students received a campus tour, presentations in STEM labs, and met with MESA Engineering Program students.

- We hosted multiple Oxnard MESA schools for college visits on the UCSB campus. During these visits UCSB MEP and Pathways students provided tours, undergraduate panel, STEM activities, and college readiness activities.

**BUCHOLTZ, MARY**

I served nearly 200 K-12 students in the five-month SKILLS academic outreach program, held three public SKILLS nights events, and created SKILLS exhibits in three public libraries.

**BUCHOLTZ, MARY**  
**LOVE-NICHOLS, JESSICA**

I am involved with the SKILLS (School Kids Investigating Language and Life in Society) outreach program as an instructor. The program partners with local high schools and organizations to teach students research techniques and topics in sociolinguistics.

**BUNTAINE, MARK**

I have an ongoing partnership with the KCCA to improve waste management services in Kampala and have pursued an ongoing partnership based on the Hellman Fellowship project.

I presented the full results of this project funded by UC Berkeley to our field partners Twaweza East Africa in July 2016. We discussed ways that the results can support their own work to promote accountability from local politicians in Uganda and throughout the region. We held discussion about extending the results of this project to new areas aside from elections.

As part of this award from the University of Notre Dame, Buntaine has engaged in extensive consultations with USAID missions around the world about the possibility to conduct long-term impact evaluation of development interventions. We have also contributed to a guide that will be disseminated throughout USAID on the techniques that can be used to conduct long-term impact evaluation and the situations where that will be most useful for learning.

## **CASILLAS, DOLORES INÉS**

School Board Member for Adelante Dual-Immersion Charter School in Santa Barbara.

## **CASTELLANOS, MARIO**

In 2016, the UCSB MSP served a total of 18 K12 schools in seven districts reaching ~700 students per year, in Santa Barbara and Ventura Counties.

UCSB MESA Center hosted its 18th Annual Science and Technology MESA Day in AY2016, in collaboration with the Office of Education Partnerships; College of Engineering; California NanoSystems Institute; the Division of Mathematics, Life, and Physical Sciences; Office of Admissions; Early Academic Outreach Program; and STEM departments at UCSB. Over 500 MESA UCSB students participated and explored 22 STEM workshops and MESA Day competitions. S&T MESA Day is a major campus academic preparation and STEM education event, both for the target pre-college student population, and for over 200 UCSB students (MEP, Los Ingenieros, NSBE, SACNAS, and other student groups) who help plan, raise funds, and implement the event. Faculty, administrators, alumni, community, industry, and collaborative community college partners (Ventura and Santa Barbara MCCPs, plus Oxnard College STEM Center) are involved, and help advance MESA-MSP as a vital college-promoting STEM program for students and families. This year, UCSB MEP and Los Ingenieros (SHPE/MAES) and NSBE students, solicited over \$20,000 to help cover transportation, food, campus expenses, and supplies for UCSB MESA Days.

- MESA is a partner in the Hueneme High School Career Academy and Engineering Academy, and is represented on the Engineering Academy Advisory Board. This represents the first integration of a MESA class (a period focused on STEM education) into a high school academy. This can become a model for what should become widespread in the schools. The Pre-Engineering Academy students (rising 11th graders) visited UCSB for tours and met with a panel of MESA Engineering Program students.
- MESA collaborated with Santa Paula High School to coordinate and administer an annual Summer Math Academy, serving 67 rising 9th graders who are considered educationally disadvantaged or have low college-going rates. A similar program was also conducted at Oxnard High School with 41 students. MESA staff conducted STEM activities and hosted campus visits, and helped coordinate the Java programming session. While at UCSB, the pre-college students received a campus tour, presentations in STEM labs, and met with MESA Engineering Program students.

- MESA hosted multiple Oxnard MESA schools for college visits on the UCSB campus. During these visits UCSB MEP and Pathways students provided tours, undergraduate panel, STEM activities, and college readiness activities.

Program Evaluation conducted by UCSB's Office of Education Partnerships are available here:

[http://www.oxnardcollege.edu/sites/default/files/files/departments/academic/stem/condor\\_technology\\_internship\\_program\\_9.2016\\_final.pdf](http://www.oxnardcollege.edu/sites/default/files/files/departments/academic/stem/condor_technology_internship_program_9.2016_final.pdf)

Biology Undergraduate Research Summer 2016  
 Condor Technology Internship Program Summer 2016  
 First Year Experience (FYE) Program-Discovery Week Summer 2016  
 Key Class Program Fall 2015- Spring 2016 Semester  
 Marine Center Summer Bridge Program 2016  
 Pre-Engineering Summer Bridge Program 2016  
 STEM/SAGE- Go Green Summer Bridge Program 2016  
 Tutoring Program at OC STEM Center Fall 2015 & Spring 2016  
 Young Entrepreneurship Academy (YEA) Program 2016

**CHARLES, MARIA**

I held a Theme-Oriented Workshop on Gender Inequality in STEM Education and Occupations in May 2017 at the Mosher Alumni House, UCSB.

**FORD, ANABEL**

May 17, 2017: UCSB Spatial Discovery participation with the Maya forest GIS  
 June 17, 2017: Belize research visit with Lamanai and Dr. Elizabeth Graham  
 June 17, 2017: Belize research visit with Pacbitun and Dr. Terry Powis  
 June 17, 2017: Belize Host site visit of Dr. Isendahl and Dr. Graham on interdisciplinary projects

Various lectures locally nationally and regionally in the Maya forest, participation in Spanish Table at Vista Del Monte, and collaboration with UCSB Digital Library data challenges.

**GLASSOW, MICHAEL**

For many years I have served as an advisory member of the City of Santa Barbara's Historic Landmarks Commission. In this capacity I review for the Commission archaeological reports prepared in light of proposed land development projects in the city.

**GURVEN, MICHAEL**

Primary health care delivery for over 2,000 Tsimane Amerindians annually. Specialist care for roughly 150 individuals annually. Both are administered via Tsimane Health and Life History Project infrastructure.

**GURVEN, MICHAEL**

**PISOR, ANNE**

I am active in the communities in which I work in Bolivia. This includes teaching English courses at community members' request and coordinating with NGOs to facilitate the arrival of projects in these communities.

**HAN, HAHRIE**

Co-organized a conference on Integrated Voter Engagement for social movement organizations to learn from the findings of our research.

Presented findings from research at the Funders Committee on Civic Participation Annual Meeting in Atlanta, GA in May 2017.

**HARTHORN, BARBARA HERR**

Education & Outreach: CNS-UCSB education has fostered a diverse and highly collaborative community of cross-disciplinary scholars, while consistently producing excellent outcomes for its participants. CNS's centerpiece graduate fellowship program has trained over 137 graduate and postdoctoral scholars (94 in the renewal award) from both social sciences and S&E in societal research, while mentoring 33 community college interns from underserved communities (17 in this award). The CNS seminar has drawn participants from over 30 disciplines, while outreach activities have engaged multiple audiences in over 536 outreach presentations (316 this award), reached 1000's of diverse public audiences, and included keynote addresses and expert testimony to dozens of governmental, intergovernmental and policymaking bodies in over 25 countries, many receiving media coverage. The Center has co-founded a thriving new international scholarly organization, and CNS has convened a series of influential major international conferences and specialist workshops on East and West Coasts to address leading edge concerns about technology in society.

Public Outreach to UCSB and Santa Barbara Communities: CNS-UCSB and its members engaged members of our local campus and Santa Barbara-area communities through multiple venues during the second award, including hosting/co-hosting lectures and public events, informal science education (ISE)



events, science cafés, presentations to public and community groups and events, and public deliberation workshops in the local community on new energy technologies. Attendance at such events has varied from a dozen at a workshop to several thousand at ISE events, and participants ranged from young children to senior citizens. Measures of success have included steadily increasing attendance at annual NanoDays events across the award, ongoing demand for CNS researchers to present on societal aspects of technology R&D, and the enduring partnerships we developed with campus and community.

CNS participated in “NanoDays” events every year of the second award for a total of 10 such events in the life of the CNS. The annual national program coordinated by the NISE Network has included hands-on activities to engage and promote understanding of nanoscale science and nanotechnology among children and members of the general public. At the first Santa Barbara Nanodays, held on campus in 2008, CNS reported 85 attendees. The most recent version in April 2016 was hosted at the Santa Barbara Museum of Natural History and co-sponsored by the California NanoSystems Institute and topped out at over 1,400 visitors. CNS researchers have also used their own research products along with NanoDays materials in other campus public engagement activities, such as ‘International Anthropology Day’ in Feb 2016 where IRG 3 researchers presented a number of their projects.

Virtual and Media Outreach: CNS-UCSB has used a number of online tools to reach these stakeholder audiences. The CNS-UCSB website ([www.cns.ucsb.edu](http://www.cns.ucsb.edu)) has been vital to this part of our mission, and we completed several updates over the award to enable better content control, posting links to videos of CNS-UCSB Speakers’ Series events, and updating news and events information. In addition to news, event information, and podcasts of selected lectures by CNS-UCS faculty and invited speakers, the website provided visitors with a broad overview of our activities: Annual Reports, the new Synthesis Reports, front-page current news and upcoming event teasers; descriptions of the IRGs and their research projects; profiles of CNS-UCSB’s leadership, staff, faculty, postdocs, and graduate fellows; descriptions of our Education programs, as well as course materials and other resources for educators, mostly at the community college level or above; an events archives; a comprehensive list of CNS-UCSB publications dating back to 2006; a list of presentations from the current and former reporting years, among other materials. We are archiving the website so it will continue to be a public resource well beyond the life of the Center itself.

CNS-UCSB researchers also maintained their own online presences via blogs (e.g. McCray’s Leaping Robot), guest blog posts (e.g. Han’s “STEMming Brain Drain” on The Conversation and Appelbaum’s “China: Innovator or Follower” on the China Policy Institute blog), and the submission of op-eds to both print and online venues (including The Chronicle of Higher Education, Inside Higher Education, and IEEE Spectrum.)

Along with a focused web presence, we have used traditional media to reach CNS-UCSB's nano stakeholder audiences. For this purpose, we continued to put out press releases in conjunction with UCSB's public affairs office, as well as online and through our listservs, and we made our researchers available for interviews with reporters from the local, national, and international press. CNS-UCSB researchers have been quoted, interviewed or discussed in a number of local, national, and international news outlets including The New Yorker, NPR, Forbes, Outside, MIT Technology Review, The Guardian, and The Financial Times, among others. Just this past summer, CQ Researcher conducted extensive interviews with Director Harthorn and IRG 2 leader Appelbaum for a report on the role of nanotechnology in the global economy.

**HARTHORN, BARBARA HERR  
PARTRIDGE, TRISTAN**

Barbara Harthorn & Tristan Partridge: research covered in media article "The Fracking Debate" published by the UCSB Current (10 April 2017). Altmetric score indicates 8 news outlets subsequently picked up this article.

Barbara Harthorn: interview and research covered in media article "Research Shows U.S. and UK Share Similar Fracking Concerns" published by Daily Nexus (30 April 2017).

Tristan Partridge: Presenter, Deliberating Fracking in the US and UK. World Anthropology Day, UCSB, 16 February 2017.

Barbara Harthorn: invited presentation on "Intuitive Toxicology" in public symposium on "Toxics in Everyday Life," UCLA School of Law, 09 June 2017.

**KAM, JENNIFER**

I have summarized some of my findings for a local high school district. I will be presenting the findings in the fall to teachers, counselors, and instructional assistants.

**KAY, LUCIANO**

This NSF project is the continuation of a research thrust that Dr. Kay has developed in the past 10 years. A number of media inquiries and articles featuring Dr. Kay's research outputs have led to the dissemination of research findings on innovation prizes to the general public and non-academic audiences. Some of these interviews/articles have taken place during this reporting period, including media

outlets such as The Wall Street Journal (front page article “Facing an idea deficit, companies splurge on prizes”, December 6, 2016) and Politico.

**KLAWUUN, MARGARET  
CZULEGER, CATHY**

Sailing classes offered by UCSB Recreation are affordable and accessible compared to other options in the area. UCSB Students can register for classes at a subsidized cost and earn academic credit for the class. The Recreation GauchoREC program offers non-academic classes to students and the community at large.

**LIEN, PEI-TE**

Press interviews with NPR on-line and an affiliate station in Southern California, campus radio KCSB, and an English publication on the Chinese diaspora called "The World of Chinese."

**MITHUN, MARIANNE  
CAMINSKY WENZENCZNY, DIBELLA**

Data was made available to the public archive in the Koryak Autonomous Okrug in Kamchatka, Russian Federation. The co-PI is also working with speakers and local language teachers to develop a language learning app for mobile devices.

**O’CONNOR, MARY**

I have worked with Mixtecs in Santa Maria and Oxnard, serving as translator and facilitator.

**PALERM, JUAN VICENTE  
LAMON, SHELLEY**

From June 2015 - October 2015 I worked as a volunteer with the Mixteco/Indigenous Organizing Project (MICOP), a nonprofit organization in Oxnard, California, where I assisted with the Radio Indigena (Indigenous Radio) program as well as the organization's fundraising and food distribution events. In Florida, I was a general volunteer and volunteer instructor with the nonprofit Casa Chiapas Tampa. In this role I provided assistance with new client intake and paperwork; outreach and website administration; set-up and oversight of events, which included the monthly visits of the Mexican Consulate; the completion of reports; guided field trips for underserved immigrant families; as well as curriculum

development and teaching adult education classes in English and ESL computer literacy.

Two high-achieving students from Dos Pueblos High School were mentees during the UCSB Summer Sessions Research Mentorship Program (RMP) and assisted with data collection throughout the first phase of the research project.

### **RAMBELLI, FABIO**

While I did not engage in any specific public service activity, the “Repositioning Shugendō” conference was open to the general public, and some members of the larger Santa Barbara community attended and got in touch with some conference presenters on to receive information on Shugendō groups in Japan open to international participants.

### **SMITH, STUART**

Co-PI Prof. Michele Buzon from Purdue University and I gave a presentation at the local school in Tombos, and we also both gave public presentations in the village as well as for the Sudan Archaeological Society in Khartoum.

### **STOHL, CYNTHIA**

On Wednesday, May 10, 2017, Richard Bartlett, a co-founder, and Natalia Lombardo, a co-owner, of the Loomio Cooperative, offered a workshop, “Organizing Without Bosses.” Local community and student activists were invited to attend this workshop related to non-hierarchical, inclusive, intersectional, collaborative, horizontal organizing.

### **STOHL, MICHAEL**

Blum staff contributed to the planning of two events that were open to the public. The first involved a public lecture with Dr. Martin Ravallion in early March 2017, who spoke about successful poverty interventions in developing countries. The second involved a public panel discussion in April 2017, moderated by one of our Blum Federation students, that involved two UCSB faculty experts in global supply chains, a local business using ethical production practices, and a youth activist in this field from UC Irvine.

## **THÉBAUD, SARAH**

Media outreach/public sociology: Wrote op-ed for TheConversation.com on my findings from publication #1 listed below which was reprinted on BBC news, TIME.com, Quartz.com, CBS, Salon.com, Scroll.in (India publication), and the NZ Herald, and the World Economic Forum, among other outlets.

Wrote separate op-eds and articles on Publication #1 for the Globe and Mail (Canadian publication), HR zone, the American Sociological Association, and the Association for Women in Science.

Discussed gender and parenthood on NPR's "On Point" on June 16, 2017.

Offered free consulting advice to National Veterinary Associates, a private company working to develop policies that will diversity its workforce.

## **WALSH, CASEY**

This project is built of collaborative participation in the ongoing process of creating institutions for groundwater management, dictated by the Sustainable Groundwater Management Act. In Cuyama I have participated in the entire process since the passing of the Act in late 2014, advising local actors on: the geohydrological definition of groundwater basins; principles of sustainability important for institutions of common pool resource management; the letter of the SGMA law. I have also participated in public hearings at the County level in Santa Barbara, offering comment on the advisability of forming a water district, establishing a well moratorium, inclusion of local actors in decision making, formation, powers and role of an advisory council to the Groundwater Sustainability Agency, etc.

## **WILSON, GREG**

## **FRIBERG, CHRISTINA**

Upon the completion of the field season, the co-PI gave a public talk as part of the Center for American Archaeology's summer lecture series. The CAA is located just across the Illinois River from the Audrey site. In attendance were students of the CAA high school field school, who had spent the summer working on a Middle Woodland site in the region. These students are mostly Illinois residents and members of the local community. The presentation outlined the project goals and expectations, the field methods and features excavated, and the preliminary findings. A question and answer period followed the presentation.

**WILSON, GREG**  
**SANTY, JENNA**

As part of this project, I worked with the Owens Valley Paiute-Shoshone band when planning and executing site excavations. In addition, I also participated in an on-site training of new Native American cultural monitors.

**WINANT, HOWIE**

Some informal consulting with Just Communities, Showing Up for Racial Justice, and the Santa Barbara Progressive Coalition.



# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

## Center Reports 2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

**CENTER REPORTS**  
**July 1, 2016-June 30, 2017**

**BROOM CENTER FOR DEMOGRAPHY**

**Director: Maria Charles**

**Co-Director: Shelly Lundberg**

**Mission Statement/Goals:**

The Leonard and Gretchan Broom Center for Demography at the University of California, Santa Barbara was established in 2011 with generous funding from Leonard and Gretchan Broom. The Broom Center facilitates interdisciplinary research and training in social demography and population studies, with particular strengths in the study of socioeconomic inequality and health disparities.

The Center's research is organized into six intersecting, interdisciplinary areas:

The Family Demography area, coordinated by Shelly Lundberg (Broom Professor of Economics), focuses on how families and households acquire and distribute resources and regulate interactions within and across generations. Scholars working in this area bring multidisciplinary perspectives to study diversity and change in family structures and domestic divisions of labor and how these arrangements are mediated by local and global norms and culture.

Biodemography and Evolution, coordinated by Michael Gurven (Professor of Anthropology), integrates biology with classical demography to understand the effects of ecology and culture on behavioral strategies affecting human reproduction and survival. Field populations studied include foragers, farmers, pastoralists, subsistence fishers, and urban populations around the world.

The Environment, Population, and Health Dynamics research area, coordinated David Lopez-Carr (Professor of Geography), bridges population studies and diverse environmental sciences. Scholars working in this area explore the dynamic interactions between human populations and the natural environment and their implications for environmental sustainability and population health disparities.

Research in the Sex and Gender area, coordinated by Maria Charles (Professor of Sociology), applies diverse methodological approaches to explore the operation of gender and sexuality within families, schools, workplaces, politics, and other social institutions. Many Broom scholars study the dynamic interplay between societal gender structures, individual identities, and persistent inequalities.

The Health and Education area, coordinated by Heather Royer (Associate Professor of Economics), focuses on the many factors that produce inequalities of health and education, including variability in prenatal exposures, schooling, peer groups, medical access and technology, economic conditions, and cultural influences. Broom scholars



study health and education in societies spanning a wide range of economic development.

Immigration, Race, and Ethnicity research, coordinated by Edward Telles (Distinguished Professor of Sociology), applies quantitative and qualitative methods to study changing population composition by race and ethnicity due to migration, fertility, mortality, aging, new ethnoracial classifications and identities, and other population processes in California, the United States, and around the world.

**Highlights/Achievements:**

During the last academic year, the Broom Center's Research and Graduate Associates published 198 peer-reviewed articles, 7 books, 27 chapters in edited volumes, and 16 other items. This work was funded by 70 active research grants totaling \$45,921,807 from sources including the National Institutes of Health, National Science Foundation, NASA, China's National Natural Science Foundation, NOAA, William T. Grant Foundation, University of California Office of the President (OCOP), and Robert Wood Johnson Foundation.

**Center Events**

The Broom Demography Center regularly sponsors significant intellectual events, including an interdisciplinary Seminar Series that features cutting-edge research by scholars from UCSB and around the world.

**September 26, 2016**

Broom Center Seminar Series: "Protecting Against Flood Disasters: Why Insurance and Risk Mitigation Are Complements"

Wouter Botzen, Vrije Universiteit, Amsterdam

**October 10, 2016**

Broom Center Seminar Series: "Cohort Shifts in the Structure of Life-cycle Inequality: Methods, Findings, and Perspectives"

Siwei Cheng, New York University

**October 24, 2016**

Broom Center Seminar Series: "Naming the Precious Child: Quantity-Quality Tradeoffs Before, During and After the Demographic Transition"

Joshua Goldstein, UC Berkeley

**November 7, 2016**

Broom Center Seminar Series: "Spatial Epidemiology of LGBT Health Disparities: Methods and Challenges"

Dustin Duncan, New York University School of Medicine

**November 21, 2016**

Broom Center Seminar Series: "Child Brides in Tanzania: International Development, Anthropology and 'Saving Children'"

David Lawson, Anthropology Dept.

**January 9, 2017**

Broom Center Seminar Series: "America's Immigration Policy Fiasco"

Doug Massey, Princeton University

**January 23, 2017**

Broom Center Seminar Series: "Race, Childhood Economic Resources and Life Chances in Adulthood in the U.S"

David Brady, UC Riverside

**February 6, 2017**

Broom Center Seminar Series: "The Threat of Increasing Diversity: Why Many Whites Supported Trump in the 2016 Presidential Election"

Brenda Major, Psychological and Brain Sciences

**February 27, 2017**

Broom Center Seminar Series: "Toward a New Macro-Segregation? Ethnoracial Diversity and Changing U.S. Settlement Patterns"

Dan Lichter, Cornell University

**March 20, 2017**

Broom Center Seminar Series: "Epigenetic Embodiment of Early Life Adversity as a Mechanism for Perpetuating Health Disparities"

Amy Non, UC San Diego

**April 10, 2017**

Broom Center Seminar Series: "Testing Competing Models of the Relationship Between Body Shape & Human Health in a Global Sample of Women and Children"

Craig Hadley, Emory University

**April 17, 2017**

Broom Center Seminar Series: "Prep School for Poor Kids: The Long-Term Effects of Head Start on Adult Outcomes"

Martha Bailey, University of Michigan

**May 1, 2017**

"Gender Inequalities in STEM Education and Occupations" Research Workshop  
Organized by Maria Charles (Sociology), Shelly Lundberg (Economics), and Sarah Thébaud (Sociology)

**May 8, 2017**

Broom Center Seminar Series: "Moving West: Who Moved to California in the 1930s, Where They Came From, and Why We Think They Moved"

Myron Gutmann, University of Colorado

**May 22, 2017**

Broom Center Seminar Series: "Where There's a Will There isn't Always a Way: The Impact of Local Institutions on Immigrant Political Participation"

Narayani Lasala-Blanco, Political Science Dept.

**June 5, 2017**

Broom Center Seminar Series: "The Impact of Sending Remittances on Mental Health"

Erika Arenas, Sociology Dept.

**2016/2017 Broom Center Visitors**

Tinna Laufey Ásgeirsdóttir, Professor (University of Iceland)

Hans Henrik Sievertsen, Researcher (The Danish National Centre for Social Research)

Yasuko Takezawa, Professor (Kyoto University, Japan)

Toon Haer, PhD Candidate (Inst. for Environmental Studies, VU University Amsterdam)

**UCSB Faculty Participants**

Erika Arenas (Sociology)

Kelly Bedard (Economics)

Aaron Blackwell (Anthropology)

Susan Cassels (Geography)

Maria Charles (Sociology)

Gary Charness (Economics)

Frank Davenport (Geography)

Olivier Deschenes (Economics)

Noah Friedkin (Sociology)

Steven Gaulin (Anthropology)

Michael Gurven (Anthropology)

Peter Kuhn (Economics)

Narayani Lasala Blanco (Political Science)

David Lawson (Anthropology)

David López-Carr (Geography)

Shelly Lundberg (Economics)

Brendy Major (Psychological & Brain Sciences)

Aashish Mehta (Global & International Studies)

Alan Murray (Geography)

Victor Rios (Sociology)

Heather Royer (Economics)

John Sutton (Sociology)

Stuart Sweeney (Geography/ISBER)

Verta Taylor (Sociology)

Edward Telles (Sociology)

Sarah Thébaud (Sociology)  
Waldo Tobler (Geography)  
Vilna Bashi Treitler (Black Studies)  
Catherine Weinberger (Researcher, ISBER/Economics)  
Howard Winant (Sociology)

**UCSB Student Participation:**

Elizabeth Agey (Anthropology)  
Amy Anderson (Anthropology)  
Carlos Baez (Geography)  
Sarah Bana (Economics)  
Jacqueline Banks (Geography)  
Sari Blakeley (Geography)  
Monica Carney (Economics)  
Devin Cornell (Sociology)  
Daniel Ervin (Geography)  
Angela Garcia (Anthropology)  
Sarah Alami Gouraftei (Anthropology)  
Corrie Ellis Grosse (Sociology)  
Bridget Harr (Sociology)  
Corbin Hodges (Geography)  
Carmen Hové (Anthropology)  
Ashley Larsen (Ecology, Evolution & Marine Biology)  
Chang Lee (Economics)  
Yanjun Liu (Political Science)  
Amber Lopez (Sociology)  
Ben Manski (Sociology)  
Jessica Marter-Kenyon (Geography)  
Melanie Martin (Anthropology)  
Katherine Matthews (Sociology)  
Lisa McAllister (Anthropology)  
Chris Miljanich (Political Science)  
Karly Miller (Marine Science Program)  
Kevin Mwenda (Geography)  
Alexandra Ornelas (Sociology)  
Michelle Oyewole (Geography)  
Eva Padilla (Psychological & Brain Sciences)  
Lumari Pardo-Rodriguez (Geography)  
Amanda Pinheiro (Global Studies)  
Britta Schumacher (Geography)  
Chris Severen (Economics)  
Jenna Stearns (Economics)  
Maximilian Stiefel (Geography)  
Cascade Tuholske (Geography)  
Katalyn Voss (Geography)  
Corey White (Economics)

### **Non-UCSB Participants**

Kathryn Grace (University of Utah)

John R. Weeks (San Diego State University)

### **CENTER FOR CALIFORNIA LANGUAGES AND CULTURES (CCALC)**

**Director: Mary Bucholtz**

**Associate Director: Dolores Inés Casillas**

### **Mission Statement/Goals:**

The Center for California Languages and Cultures (CCALC) is a central hub for scholars, students, educators, policymakers, and members of the general public seeking to gain a greater understanding of the state's rich linguistic resources both past and present. CCALC is committed to advancing knowledge of the many forms of language within the state and their social, cultural, and political meanings and uses. It additionally aims to raise awareness of the crucial importance of language as an invaluable yet often underappreciated resource for California and Californians—and often for non-Californians as well.

More languages are spoken in California than anywhere else in the United States. Immigrant languages from around the world continue to enrich the state's linguistic heritage, despite considerable pressures from the dominant language, English, and from restrictive language policies in education and other domains. In fact, California has been characterized by linguistic diversity since before European contact, and in the face of daunting odds, a small number of the state's indigenous languages still survive, all of them severely endangered. California English also encompasses multiple linguistic varieties: the state boasts a wealth of regional and ethnoracial dialects, yet these are relatively poorly understood by researchers and frequently devalued by the public despite their complexity and cultural significance. In addition to languages and dialects, California is also known for the distinctive and often widely emulated speech styles of its many subcultural groups and for ways of using language associated with activities that are especially characteristic of California. CCALC has a broad mandate to advance research, education, and public understanding regarding all of these kinds of language as crucial elements of California's cultural landscape.

To further these goals, we undertake three kinds of activities: research, education, and outreach. CCALC provides an intellectual home for faculty and graduate students pursuing research on all aspects of California's languages and culture and organizes a biennial conference to disseminate new work in this area. We also foster innovative research initiatives, especially collaborative and interdisciplinary work, in order to help keep scholarship on language within the state moving in promising new directions. In addition, we offer special opportunities for graduate students to learn more about language and culture in California, advance their own research, and develop valuable professional skills in the CCALC seminar, and we encourage the development of graduate and undergraduate courses related to California's linguistic and cultural

diversity. Finally, we are committed to sharing knowledge with California residents and the wider public via our outreach activities in local schools and communities as well as online. Through these efforts, we aim to promote and disseminate up-to-date and accurate information about the many kinds of language in the state and to contextualize this information in relation to social, cultural, political, and historical processes in which language plays a prominent role. In so doing, we hope to provide a scholarly perspective on ongoing policy debates as well as to give Californians a deeper appreciation of their own linguistic heritage and the tremendous benefits that all Californians gain by fostering rather than suppressing the state's linguistic diversity.

**Highlights/Achievements:**

- Served nearly 200 K-12 students through the SKILLS outreach program in 11 classrooms at 6 schools/organizations in 3 cities.
- Added new community partner: Adelante Bilingual Immersion Elementary School (Santa Barbara)
- Received Cal Humanities grant for next year's activities (Bucholtz, PI).
- Received NSF research grant for community-based linguistics research with indigenous Mexican community in Oxnard (Campbell, PI; Bucholtz, co-PI).
- Received UC-HBCU Initiative grant for community-based linguistics research with undergraduates from HBCUs (Bucholtz, PI; Charity Hudley, co-PI).

**Center Events:**

**February 28, 2017**

UCSB Day

Hosted nearly 200 K-12 students at UCSB.

**May 22-23, 2017**

SKILLS Day

Hosted nearly 200 K-12 students and 300 audience members at UCSB.

**May 30-31, 2017**

SKILLS Nights

Provided showcase for highlights from SKILLS Day at three partner public libraries for over 200 attendees

**June 1-30, 2017**

SKILLS exhibits

Displayed SKILLS students' work at three partner public libraries for over 1000 members of the general public.

**UCSB Faculty Participants:**

Eric Campbell (Linguistics)

Jin Sook Lee (Education)

### **CCALC Personnel**

Elena Skapoulli, Manager

Hannah Yates, Graduate Assistant, UCSB

Elizabeth Boyd, Undergraduate Intern, UCSB

### **Non-UCSB Faculty Participants/Collaborators:**

Adelante Bilingual Charter School

Mixteco/Indígena Community Organizing Project

Santa Barbara Public Library System

Santa Barbara Unified School District

### **CENTER FOR DIGITAL GAMES RESEARCH**

**Director: Debra Lieberman**

#### **Mission Statement/Goals:**

The Center for Digital Games Research brings together UC Santa Barbara faculty from diverse fields to collaborate on the research and design of digital media, games, and game technologies.

Our faculty affiliates are leaders in the physical and biological sciences, computer and engineering sciences, social and behavioral sciences, and arts and humanities.

We investigate how people process game play experiences and we develop strategies for designing more impactful and effective games. We also explore how digital media and games affect our lives today and how we can improve these media and innovate with them in the future.

Digital games are rule-based activities that involve challenge to reach a goal, and they provide feedback on progress made toward the goal. Today's games are, arguably, among the most interactive media we have today. The player's game state reflects all previous actions made by player and game. The player is an active participant, making consequential decisions and experiencing desirable and undesirable outcomes from a firsthand perspective. Many games give players a sense of agency and control in an immersive digital environment.

In games, players have opportunities to learn and rehearse new skills, receive individualized coaching and feedback, and experience the pleasure and triumph that comes from succeeding at a difficult task. Games are part of the media environment, whether they take place completely in a digital world or in a mix of digital and real-world experiences. They are a distinct form of media that involves rules, goals, and feedback, and increasingly they are integrated into the broader media landscape.

Research is needed to help us understand key processes, design strategies, and effects of games as forms of artistic and narrative expression, environments for problem-solving and learning, tools for exploration and play, simulations of worlds and systems

we could not interact with in any other way, opportunities for social fun, and environments that motivate and support behavior change. UCSB's Center for Digital Games Research takes a multidisciplinary approach in the study of digital media and games. Our faculty affiliates come from many academic fields and bring a wide range of expertise in the research methods, data sources, theories, evidence, and issues in our field. For example, we have expertise in human-computer interaction, user motivation and engagement, game design, software programming, big data, crowdsourcing, sensors, virtual reality, avatar research, digital art and music, interactive storytelling and narrative, media neuroscience, behavioral health, instructional design, social networks, and much more.

**UCSB Faculty Affiliates:**

Elizabeth Belding, Professor, Computer Science  
Jim Blascovich, Professor, Psychological and Brain Sciences  
Alenda Chang, Assistant Professor, Film & Media Studies  
Keith Clarke, Professor, Geography  
Norah Dunbar, Professor, Communication  
Michael Gerber, Professor, Gevirtz School, Graduate School of Education  
Michael Hanrahan, Lecturer, Film & Media Studies  
Mary Hegarty, Professor, Psychological and Brain Sciences  
Tobias Höllerer, Professor, Computer Science  
Krzysztof Janowicz, Associate Professor, Geography  
Brett Kia-Keating, Lecturer, Gevirtz School, Graduate School of Education  
Kenneth Kosik, Professor, Molecular, Cellular & Developmental Biology  
Chandra Krintz, Professor, Computer Science  
Werner Kuhn, Professor, Geographic Information Science  
George Legrady, Professor, Art Studio and Media Arts and Technology Program  
Lisa Leombruni, Lecturer, Bren School of Environmental Science & Management  
Richard Mayer, Professor, Psychological and Brain Sciences  
Miriam Metzger, Professor, Communication  
Lisa Parks, Professor, Film and Media Studies  
Ronald Rice, Professor, Communication  
Jonathan Schooler, Professor, Psychological and Brain Sciences  
Leah Stokes, Assistant Professor, Political Science  
Matthew Turk, Professor, Computer Science  
René Weber, Professor, Communication  
Ben Zhao, Professor, Computer Science

**Non-UCSB Advisors:**

Steve Cole, Vice President of Research & Development, HopeLab & Professor, UCLA  
Trip Hawkins, Founder of Electronic Arts  
Neil Isenberg, MD, Founder & Chief Executive, Nemours Children's Health System  
Alan Miller, Co-Founder of Activision, Accolade, and Click Health  
Rita Moya, Board Chair at Direct Relief  
Deborah Mulligan, MD, Professor of Pediatrics, Nova Southeastern University  
Shaun Tomson, Entrepreneur, filmmaker, inspirational speaker



## **CENTER FOR EVOLUTIONARY PSYCHOLOGY (CEP)**

**Co-Director: Leda Cosmides**

**Co-Director: John Tooby**

### **Mission Statement/Goals:**

The mission of the Center for Evolutionary Psychology is to provide support for research and comprehensive training in the field of evolutionary psychology, and to facilitate multidisciplinary and multi-university collaborations.

### **Highlights/Achievements:**

Center Co-Directors John Tooby and Leda Cosmides were invited to participate in a variety of conferences spanning a wide number of disciplines (e.g., psychology, anthropology, political science, economics) including the Social Science Research Council Study Group on the Root Causes of Polarization in Santa Barbara, California in January 2017 and the USC Law and Social Science/Psychology Workshop hosted by the Gould School of Law on March 6, 2017.

The Center remains an active presence at psychology conferences across the country. Numerous current and former center faculty, postdoctoral scholars, and graduate student researchers attended the 2017 annual conference of the Society for Personality and Social Psychology (and its associated evolutionary psychology pre-conference) in San Antonio, TX from January 19-21, 2017, as well as the 29th Annual Meeting of the Human Behavior and Evolution Society in Boise, ID from May 31 - June 3, 2017.

International collaborations also continue to serve as a hallmark of the center. The CEP continues to develop multi-disciplinary, multi-institutional research initiatives with collaborates at the Laboratorio de Evolución y Relaciones Interpersonales (Evolution and Interpersonal Relationships Lab) at the Universidad de Santiago de Chile. Several grant applications have sprung out of these endeavors, aimed at continuing the ongoing exchange of ideas by providing for faculty and graduate students to travel between the participating groups for extended research stays. Center Co-Director Leda Cosmides spent the Winter 2017 quarter on sabbatical hosted by scholars in Chile further developing these projects.

### **Center Events:**

1) Members of the CEP participated in the 11th annual California Workshop for Evolutionary Social Science (formerly the 3+ UC Evolutionary Behavioral Sciences Conference), held at Cal Poly, San Luis Obispo, from May 5-7. Several of the CEP graduate students presented posters, and CEP faculty (Daniel Conroy-Beam, Michael Gurven, Zoe Liberman, James Roney) were featured speakers and/or panelists. CEP alumna Aaron Lukaszewski also spoke at the conference.

(2) There is a weekly CEP research seminar that provides professional training in the various fields that contribute to evolutionary psychology. It is organized and conducted by the directors. Its attendees include members from the following groups:

- CEP faculty participants (see above)
- CEP post-doctoral researchers: Joel Thurston
- CEP graduate students (most directly affiliated): Jason Wilkes, Michael Barlev, Tadeg Quillien, and Sakura Arai
- CEP visitors: Hiroki Ozono (visiting professor, Kagoshima University) and Renata Santos-Beman (postdoctoral scholar, Cambridge University)
- other graduate and postdoctoral students (most of whom work with faculty affiliated with the CEP) from psychology and anthropology: Sarah Alami, Amy Anderson, Emily Darugar, Adar Eisenbruch, Angela Garcia, Rachel Grillot, Erin Horowitz, Spencer Mermelstein, and Jack Strelich
- research assistants (the graduate students and postdocs are assisted by about 6 per quarter) and other interested undergraduate students

**UCSB Faculty Participants:**

Leda Cosmides, (PI) Psychological & Brain Sciences  
John Tooby, (co-PI) Anthropology  
Aaron Blackwell, Anthropology  
Daphne Bugental, Psychological and Brain Sciences  
Gary Charness, Economics  
Dan Conroy-Beam, Psychological and Brain Sciences  
Steve Gaulin, Anthropology  
Mike Gazzaniga, Psychological & Brain Sciences  
Tamsin German, Psychological & Brain Sciences  
Michael Gurven, Anthropology  
Stan Klein, Psychological & Brain Sciences  
Zoe Liberman, Psychological & Brain Sciences  
Ryan Oprea, Economics  
Jim Roney, Psychological & Brain Sciences  
Ann Taves, Religious Studies

**Current Graduate Students & Postdoctoral Researchers:**

Sakura Arai, Psychological and Brain Sciences  
Michael Barlev, Psychological and Brain Sciences  
Aldo Cimino, PhD, Anthropology  
Randy Corpuz, Psychological and Brain Sciences  
Adar Eisenbruch, Psychological and Brain Sciences  
Erin Horowitz, Psychological and Brain Sciences  
Melanie Martin, Anthropology  
Lisa McAllister, Anthropology  
Eva Padilla, Anthropology  
Anne Pisor, Anthropology  
Tadeg Quillien, Psychological and Brain Sciences  
Katherine Sobraske, Anthropology

Jason Wilkes, Psychological and Brain Sciences

**Non-UCSB Faculty Participants/Collaborators:**

Pascal Boyer (Washington University in St. Louis)

David Buss (University of Texas)

Andrew Delton (Stony Brook University)

Elsa Ermer (University of Maryland)

Ana María Fernández (University of Santiago, Chile)

Ricardo Andrés Guzmán (Universidad del Desarrollo, Chile)

Max Krasnow (Harvard University)

Aaron Lukaszewski (CSU Fullerton)

Rose McDermott (Brown University)

Steve Neuberg (Arizona State University)

Michael Bang Petersen (Aarhus University)

Theresa Robertson (Stony Brook University)

Carlos Rodriguez-Sickert (Universidad del Desarrollo, Chile)

Aaron Sell (Griffith University)

Danielle Truxaw (Harvard University)

Daniel Szyncer (University of Montreal)

Toshio Yamagishi (Tokyo University)

**CENTER FOR INFORMATION TECHNOLOGY AND SOCIETY (CITS)**

**Director: Cynthia Stohl**

**Mission Statement/Goals**

The Center for Information Technology and Society (CITS) is a multidisciplinary center at UCSB spanning the Social Sciences, Humanities, and Engineering. Our overarching goal is to apply the knowledge of these diverse perspectives to understand and guide the development, use, and effects of information technologies in contemporary society.

We operate as a vibrant and effective network of scholars dedicated to interdisciplinary research and education that seeks to understand and help shape the complex development, use, and social effects of information technologies. We foster cutting edge research across engineering, social sciences, and humanities through dynamic connections with academia, industry, and government.

To achieve our goals CITS hosts conferences, workshops, speakers, and long term visitors, supports a variety of working groups, and provides administrative support for the Ph.D. Emphasis in Information Technology and Society.

CITS has three core activities.

1. Research. At CITS, interdisciplinary teams composed of nationally and internationally recognized scholars study how societies and social groups are affected by technologies and how social dynamics impact technological innovation and diffusion. Our affiliates

participate in funded research with UCSB faculty and international colleagues from a diversity of granting sources.

2. Educate. CITS is dedicated to refining and passing along the skills involved in understanding transitions in technological and social environments to the next generation of researchers, inventors, educators, policy-makers, and citizens. Besides engaging undergraduate and graduate students in our research, the PhD emphasis in Information Technology and Society enables graduate students to develop interdisciplinary perspectives and diverse expertise in the area. Thirty-four UCSB faculty members offer courses that qualify for the emphasis from 14 departments. As part of the PhD Emphasis, one or more of the emphasis faculty also offer a “gateway” graduate seminar at least one quarter per year, taught as an overload to their normal teaching load. This winter, Leila Shereen Sakr (UCSB- Film and Media Studies Department) and Amr El Abbadi (UCSB-Computer Science Department) taught the gateway course entitled “Algorithms and Cultures” to 12 students from 6 departments (Film and Media Studies, Computer Science, Comparative Literature, Sociology, English, and Chicano Studies).

3. Connect. It is vital that we connect with other academic units on campus and at other institutions, with industry, with policy-makers, and with the wider public. We accomplish this through public lectures, sponsored visitors, conferences, media outreach, and multimedia content on our website.

### **Highlights/Achievements**

The search for the Bertelsen Presidential Chair in Information Technology & Society, funded in 2016 as an interdisciplinary hire within the Social Science who will also hold the CITS Directorship, was spearheaded by CITS in conjunction with the departments of Sociology, Political Science, and Communication.

During the Fall Quarter the search committee assembled and chose candidates for on campus interviews. The search committee comprised of Paul Leonardi (chair), Technology Management Program; Cynthia Stohl (Director, CITS), Communication; Bruce Bimber (founding member, CITS), Political Science; Andrew Flanagan (CITS Affiliate Faculty), Communication; and John Moore (CITS Affiliate Faculty), Sociology. Four candidates were brought to campus during the Winter Quarter, two from Communication Departments and two from Sociology Departments, to meet with CITS affiliates and members of the candidates’ potential hiring department. Each candidate gave two talks, one to his/her hiring department and one to the CITS faculty. The search was successfully completed. Joe Walther (PhD, University of Arizona) was appointed to the Communication Department as the Bertelsen Presidential Chair in Information Technology and Society. He will also take over the role of CITS Director when he begins his appointment in November 2017.

### **Five Year Annual Review**

In the fall CITS underwent a five review by ISBER. We prepared a detailed report documenting the achievements, development, and challenges faced by the Center. A

meeting with Director Stuart Sweeney indicated that the review committee was quite positive in their assessment. One area of improvement was identified: Better recording keeping, recruitment and engagement in the IT&S emphasis. The Center awaits a final written report.

### Development and Fundraising

Working with Dan Oh from the development office, Cynthia Stohl and Bruce Bimber completed two development trips to Silicon Valley. In October, Stohl and Bimber gave a talk to more than forty alumni and potential donors at a reception organized by a UCSB donor. This visit was well received and resulted in several valuable connections. First, the talk resulted in the promise of a \$100,000 gift. Second, the new donor, a former executive at Facebook, Mike Murphy, who was at the talk, made a connection with Cynthia and later came to her "Organizational Communication: A Global Perspective" class to speak with her students. Bimber and Stohl were also invited to give their talk to Santa Barbara community members at the Chancellor's Breakfast in November. Other connections initially made at the reception are being developed.

In June, Bimber and Stohl again traveled to the Silicon Valley to meet with a small group of interested donors, as well as an advertising/marketing firm interested in giving in-kind donations. The Office of Development is optimistic that more donations are forthcoming from this trip.

### Center Events

#### **September 22, 2016**

James Fenimore Cooper and the NSA: Security, Property, Liberalism  
Russ Castronovo, Tom Paine Professor of English and Dorothy Draheim Professor of American Studies, University of Wisconsin-Madison  
*Co-sponsored with the Department of English*

#### **October 11, 2016**

Creating Serious Video Games for Law Enforcement and the Intelligence Community  
Norah Dunbar, Professor, Communication Department  
*Followed by a Reception for affiliated faculty and students*

#### **October 27, 2016**

Digital Mediation as Re-humanization: How the "Refugee Crisis" Prefigures the Politics of Representation  
Miriya Aouragh, Senior Lecturer and Leverhulme Fellow, University of Westminster London  
*Co-sponsored with the Center for Middle East Studies (CMES) and The Carsey-Wolf Center*

#### **November 17, 2016**

Material Rhetoric in the Midway: Albatrosses, Plastics, and the Pacific Garbage Patch  
Amy Propen, Assistant Professor, UCSB Writing Program

**December 1, 2016**

Robot Technology Use: Threat or Treasure? The Impact of Robotization on Employee Well-Being

Clara ter Hoeven, Associate Professor, University of Amsterdam

**January 19, 2017**

Digital Communication Technologies and the 2016 Presidential Campaign: Extending Controlled Interactivity

Jennifer Stomer-Galley, Professor & Director, Center for Computational & Data Sciences, School of Information Studies, Syracuse University

**January 26, 2017**

A Server Called Prince: Paradoxes of the Digitization of the Montreux Jazz Festival Archive

Trevor Pinch, Goldwin Smith Professor of Science & Technology Studies, Cornell University

**January 31, 2017**

Social Media Affordances for Connective Action: On Examination of Microblogging Use During the Gulf of Mexico Oil Spill

Emmanuelle Vaast, Associate Professor, McGill University

**February 7, 2017**

Hyperpersonal and Hypernegative Processes Online: Interdisciplinary Questions

Joe Walther, Wee Kim Wee Professor in Communication Studies, Singapore Nanyang Technological University, Singapore

**February 28, 2017**

Refactoring the News - A Seminar

Jeffrey Greenberg, VP, Engineering, Peerwell.co

*Co-hosted with the MAT seminar series*

**April 21, 2017**

An examination of the dissemination of, and engagement with, Islamic State's Dabiq magazine on Twitter

Stuart MacDonald, Professor of Law & Criminology, Swansea University, U.K.

*Co-hosted with the Orfalea Center for Global and International Studies*

**April 26, 2017**

Who's Afraid of Facebook? Perceptions about Social Media in Europe

Ulrike Klinner, Senior Researcher, Institute of Mass Communication & Media Research, IPMZ, University of Zurich, Switzerland

**May 2, 2017**

Academia.edu & Self-Branding: The Commodification of Scholarly Networks  
Janneka Adema, Fellow, Center for Disruptive Media, Coventry University  
*Co-sponsored with UCSB's Graduate Division and Interdisciplinary Humanities Center*

**May 9, 2017**

I Want My Techno Utopia Back: Making Sense in an Age of Memes and Trolls  
Richard Bartlett, Co-Founder of Loomio

**May 10, 2017**

Workshop: Organizing without Bosses  
Richard Bartlett and Natalia Lombardo

**May 17, 2017**

Rethinking Virtuality in a Digital Media Age  
Jennifer Gibbs, Professor, Communication

**May 23, 2017**

Visibility Workshop  
Cynthia Stohl, Professor & Director, CITS and Mikkel Flyverbom, Associate Professor,  
Copenhagen Business School  
*Co-sponsored with the Copenhagen Business School*

**UCSB Faculty Participants**

CITS has a group of 49 faculty members—designated as Faculty Research Affiliates (FRA)—who are affiliated with 16 different departments, spanning the Social Sciences, the Humanities, and the College of Engineering. These faculty members support CITS in various ways, including participation in formal research initiatives, involvement on grant writing teams, teaching courses as part of the IT&S PhD emphasis, sponsoring visiting scholars and practitioners, and giving and attending faculty talks. In addition, a diverse array of other faculty members and graduate students around campus regularly participate in CITS events.

One new FRA was added this year: Jennifer Gibbs (Communication). One FRA left UCSB: Ben Zhao (Computer Science).

The complete list of FRA members includes:

Divyakant Agrawal (Computer Science), Kevin Almeroth (Computer Science), Stephen Barley (Technology Management Program), Chuck Bazerman (Education), Elizabeth Belding (Computer Science), Bruce Bimber (Political Science), John Bowers (Electrical & Computer Engineering & IEE), Dolores Inés Casillas (Chicana Studies), Alenda Chang (Film & Media Studies), Dorothy Chun (Education), Jon Cruz (Sociology), Jeremy Douglass (English), Norah Dunbar (Communication), Amr El Abbadi (Computer Science), Anna Everett (Film & Media Studies), Andrew Flanagin (Communication), James Frew (Bren School of Environmental Science and Management), Noah Friedkin (Sociology), Jennifer Gibbs (Communication), Judith Green (Education), Barbara Herr

Harthorn (Anthropology), Jennifer Holt (Film & Media Studies), Krzysztof Janowicz (Geography), Lisa Jevbratt (Art), George Legrady (Media Arts & Technology), Paul Leonardi (Technology Management Program), Alan Liu (English), Karen Lunsford (Writing), Rich Mayer (Psychology), Patrick McCray (History), Miriam Metzger (Communication), John Mohr (Sociology), Christopher Newfield (English), Constance Penley (Film & Media Studies), Linda Petzold (Computer Science & Mechanical Engineering), Amy Propen (Writing Program), Rita Raley (English), Laila Shereen Sakr (Film & Media Studies), Dave Seibold (Communication), Greg Siegel (Film & Media Studies), Eric Smith (Political Science), Cynthia Stohl (Communication), Michael Stohl (Communication), Matthew Turk (Computer Science), Cristina Venegas (Film & Media Studies), William Warner (English), Rene Weber (Communication), John Woolley (Political Science), Bob York (Technology Management Program & Electrical Engineering).

### **Faculty Steering Committee**

Kevin Almeroth, Professor, Computer Science  
Elizabeth Belding, Professor, Computer Science  
Bruce Bimber, Professor, Political Science  
Andrew Flanagan, Professor, Communication  
James Frew, Associate Professor, Bren School of Environmental Science & Management  
Paul Leonardi, Technology Management Program  
Alan Liu, Professor, English  
Rich Mayer, Professor, Psychology  
Patrick McCray, Professor, History  
Miriam Metzger, Professor, Communication  
Rita Raley, Associate Professor, English  
Laila Shereen Sakr, Assistant Professor, Film & Media Studies  
Matthew Turk, Professor, Computer Science

### **Visiting Research Scholars**

CITS hosted three visiting scholars this year: Claartje ter Hoeven (Associate Professor, Amsterdam School of Communication Research, University of Amsterdam); Ulrike Klinger (Senior Researcher, Institute for Mass Communication and Media Research, University of Zurich); and Karolina Koc-Michalska (Associate Professor, Audencia Business School).

### **Non-UCSB Faculty Participants/Collaborators**

The Center (co)hosted 16 outside scholars and practitioners who gave research talks and/or workshops to the CITS community: Dr. Russ Castronovo, Tom Paine Professor of English, University of Wisconsin-Madison; Dorothy Draheim, Professor of American Studies, University of Wisconsin-Madison; Dr. Miriyam Aouragh, Senior Lecturer and Leverhulme Fellow, University of Westminster; Dr. Jennifer Stromer-Galley, Professor and Director for the Center for Computational and Data Sciences, School of Information Studies, Syracuse University; Dr. Trevor Pinch, Goldwin Smith Professor of Science & Technology Studies, Cornell University; Dr. Emmanuelle Vaast, Associate Professor and Area Coordinator of Information Systems, Desautels Faculty of Management, McGill



University; Dr. Joe Walther, Professor, Wee Kim Wee School of Communication and Information, Nanyang Technological University, Singapore; Jeffrey Greenberg, Vice President of Engineering at PeerWell.co; Dr. Stuart MacDonald, Professor of Law and Criminology, Swansea University, U.K.; Dr. Janneke Adema, Fellow, Center For Disruptive Media, Coventry University; Richard Bartlett, co-founder of Loomio Cooperative; Natalia Lombardo, co-owner, Loomio Cooperative; Dr. Clare Birchall, Associate Professor, Kings College; Dr. Mikkel Flyverbom, Associate Professor, Copenhagen Business School; Dr. Sun-ha Hong, Fellow, MIT; Dr. Odile (Maya) Vallee, Professor, Audencia Business School.

In addition, one fellow (Doc Searls, currently at a visiting scholar with Studio20 in the graduate school of Journalism at NYU) and six external advisory board members (Mark Bertelsen, John Seeley Brown, Charles House, Mike Murphy, Dave Toole, and Marie J. Williams), who regularly support and advise the Center, are integral to the Center's functioning and mission.

## **CENTER FOR MIDDLE EAST STUDIES (CMES)**

**Director: Adam Sabra**

### **Mission Statement/Goals:**

The Center for Middle East Studies (CMES) strives to enrich the academic study of the Middle East. The Center supports graduate and faculty research and teaching broadly related to the Middle East. Students and scholars focus on a range of themes--including religion, gender, language, literature, music, and performance--in a variety of historical moments, from antiquity to the modern period. CMES coordinates visiting scholars, lecture series, funding for research and conference travel, and the Foreign Language Teaching Assistant program, among other services.

The Center for Middle East Studies (CMES) provides an inter-disciplinary framework for the study of the countries and cultures of the Middle East, North Africa, and Central Asia from antiquity to the present. UCSB faculty specializing in those regions governs the center. CMES sponsors events such as lectures, film showings, and musical performances, provides funding for graduate students for the purpose of language study and research, coordinates course offerings between its faculty, and engages in outreach to the Santa Barbara community to educate the public about the region. It also supervises the undergraduate major in Middle Eastern Studies. CMES does not sponsor or fund undergraduate events. CMES is administratively housed within the Institute for Social, Behavioral and Economic Research at UCSB.

### **Center Events**

#### **September 28, 2016**

Persian Language and Literature at UCSB presents: Evening of Tea and Culture  
Aazam Feiz, Department of Religious Studies

**October 3, 2016**

CMES Welcome Back Celebration

**October 10, 2016**

Outlaws and Scofflaws: Pirates and the Making of the Mediterranean

Judith Tucker, Georgetown University

*Co-Sponsored with the Center for Middle East Studies Endowment, and the Division of Humanities and Fine Arts*

**October 20, 2016**

Suez at Sixty Conference: Remembering the Suez Crisis and War of 1956

Presentations by Jennifer Derr & Muriam Haleh Davis (UCSC), Joel Gordon (Univ. of Arkansas), Dwight Reynolds (Religious Studies Dept.), Sherene Seikaly & Salim Yaqub (History Dept.).

*Co-sponsored with the College of Letters and Science and the Center for Cold War Studies and International History*

**October 21, 2016**

"The Other Side of Suez" documentary film screening

Discussion by Joel Gordon, University of Arkansas after the screening

**October 27, 2016**

Digital Mediation as Rehumanization: How the "Refugee Crisis" prefigures the politics of representation

Miriyam Aouragh, University of Westminster

Co-sponsored with Carsey-Wolf Center and Center for Information Technology and Society

**November 7, 2016**

Five Centuries of Mortality: The Second Plague Pandemic in Comparative Perspective, Egypt, 1347-1844 CE

Stuart Borsch, Assumption College

*Co-sponsored with the King Abdul Aziz Ibn Saud Chair in Islamic Studies*

**November 8, 2016**

What Happened to the "Arab Spring"?

Gilbert Arhcar, SOAS, University of London

*Co-sponsored with the King Abdul Aziz Ibn Saud Chair in Islamic Studies*

**November 10, 2016**

Crude Imaginations: Capitalism, Space, and the politics of History in Saudi Arabia

Rosie Bsheer, Yale University

**November 19, 2016**

UCSB Middle East Ensemble Concert

Scott Marcos, Director

**January 25, 2017**

“Imperfect Strangers, Americans, Arabs, and U.S.-Middle East Relations in the 1970’s”  
Salim Yaqub, Professor, History Department

**February 9, 2017**

Scholars At Risk, Global Challenges to Academic Freedom  
Pardis Mahdavi, Pomona College  
Can Aciksoz and Zeynep Korkman, SAR  
*Co-sponsored with the UCSB Faculty Association*

**February 13, 2017**

The Reception of Aristotelian Science in Early Islam: A Historical Account  
Dimitri Gutas, Yale University  
*Co-presented with the Interdisciplinary Humanities Center, and the Departments of History, Medieval Studies, Philosophy, and Religious Studies, UCSB*

**February 21, 2017**

The Price of Salvation: The Medieval Islamic Economy as Contested Terrain  
Michael Bonner, University of Michigan  
*Co-sponsored with the King Abdul Aziz Ibn Saud Chair in Islamic Studies*

**March 11, 2017**

Middle East Ensemble Winter Concert, Scott Marcus Director

**March 13, 2017**

“Field Notes: The Making of Middle East Studies in the United States”  
Zachary Lockman, New York University

**April 6, 2017**

“War is Coming, Between Past and Future Violence in Lebanon”  
A book talk with Sami Hermez, Northwestern University in Qatar

**April 8, 2017**

The 2017 Hamdani World Harmony Lecture  
An Evening with the 2011 Nobel Peace Prize Laureate Tawakkol Karman  
*Co-sponsored with the Walter H. Capps Center for the Study of Ethics, Religion, and Public Life*

**April 17, 2017**

Domestic Tensions and National Anxieties in Egypt: Is Marriage a Useful Category of Analysis?  
Hanan Kholoussy, The American University in Cairo  
*Co-sponsored with the King Abdul Aziz Ibn Saud Chair in Islamic Studies, the Iranian Studies Institute, and the Department of History, UCSB*

**April 27, 2017**

*Muslims in America: A Secret History*

Laila Lalami, Author and Essayist

**April 28, 2017**

Thinking Palestine 1967 & Beyond, Poster Exhibit and Reception

Felice Blake (English Dept.), Richard Falk (Orfalea Center), Lisa Hajjar (Sociology Dept.),  
Sherene Seikaly (History Dept.) and Jennifer Tyburczy (Feminist Studies)

*Co-sponsored with UCLA and UCB*

**May 6, 2017**

Medieval Bestsellers vs. Masterpieces

Heather Blurton and Dwight Reynolds (UCSB)

*Co-sponsored with the Department of English, IHC, Medieval Studies Program, and College  
of Letters and Science*

**May 11, 2017**

Picture-Poems for Saladin: Problems and Findings

Julia Bray, Oxford University

**May 13, 2017**

*National Geographic Live: A Photographer's Life of Love and War*

Lynsey Addario, Photojournalist

**May 15, 2017**

It's Complicated: Sexuality in Pre-modern Islamic Societies

Everett K. Rowson, Associate Professor, New York University

*Co-sponsored with the R. Stephen Humphreys Distinguished Lecture Series*

**May 17, 2017**

The Arab Film Festival: the Best of the Shorts

Pollack Theater

**June 5, 2017**

'The People is the Source of all Power': Ambiguities in Modern Islamic Political Theory

Andrew March, Yale University

**UCSB Core Faculty Participants**

Janet Afary (Religious Studies)

Kevin Anderson (Sociology)

Ahmad Atif Ahmad (Religious Studies)

Paul Amar (Global & International Studies)

Heather Badamo (History of Art and Architecture)

Peter Bloom (Film & Media Studies)

Debra Blumenthal (History)

Marguerite Bouraad-Nash (Political Science)

Juan Campo (Religious Studies)  
Magda Campo (Religious Studies)  
Mona Damluji (Film & Media Studies)  
Adrienne Edgar (History)  
Racha El-Omari (Religious Studies)  
Hillal Elver (Global & International Studies)  
Richard Falk (Global & International Studies)  
John Foran (Sociology)  
Rober Friedland, Emeritus (Religious Studies)  
Nancy Gallagher, Emeritus (History)  
W. Randall Garr (Religious Studies)  
Lisa Hajjar (Sociology)  
Mary Hancock (Anthropology)  
Richard Hecht (Religious Studies)  
Barbara Holdrege (Religious Studies)  
R. Stephen Humphreys, Emeritus (History)  
Mark Juergensmeyer (Sociology)  
Cynthia Kaplan (Political Science)  
Nuha N. N. Khoury (History of Art and Architecture)  
John W.I. Lee (History)  
Scott Marcus (Music)  
Kathleen Moore (Religious Studies)  
Jan Nederveen Pieterse (Global Studies)  
Gil Ramot (Religious Studies)  
Dwight Reynolds (Religious Studies)  
Adam Sabra (History/Director, Center for Middle East Studies)  
Laila Shereen Sakr (Film and Media Studies)  
Sherene Seikaly (History)  
Heather Stoll (Political Science)  
Stuart Tyson Smith (Anthropology)  
Christine Thomas (Religious Studies)  
Elliot Wolfson (Religious Studies)  
Salim Yaqub (History)

## **CENTER FOR NANOTECHNOLOGY IN SOCIETY (CNS)**

**Director: Barbara Herr Harthorn**

### **Mission Statement/Goals:**

Funded by the NSF in 2005, the Center for Nanotechnology in Society at UCSB (CNS-UCSB), along with its sister CNS at ASU, has constituted an unparalleled national commitment to upstream societal research and education to enhance responsible development of a new suite of sophisticated materials and technologies central to the nation's economic development plans. As we reach the 11-year conclusion of this effort, this enterprise provides abundant proof of concept via an unrivaled set of scholarly,

educational, and societal outcomes that serve as a solid framework for future social science/science & engineering (S&E) collaborations at center scale.

Mission: CNS-UCSB has been dedicated to understanding the relationship between technological innovation and social change and to advancing a role for the social, economic, and behavioral sciences in promoting development of equitable and sustainable technological innovation. We argue that successful development of the transformative and beneficial technologies anticipated by the country's leaders depends on systematic knowledge about complex societal as well as technical factors, situated within a dynamic global system of innovation, production, and consumption, and on development of new research-based approaches to governance, democratic participation, safety, and risk.

### **Highlights/Achievements**

The CNS at UCSB closed its doors on Aug 31, 2016 at the conclusion of NSF national center funding. Final reports were submitted Nov 2016.

Research: CNS-UCSB has leveraged UCSB's renowned interdisciplinary climate to integrate the work of leading nanoscale scientists and engineers with social scientists studying responsible development of nanotechnologies. The Center's research focuses on highly iterative approaches to: 1) the effects of industrial policies and international collaboration on the globalization of nanotechnology, particularly in the US, Asia and Latin America; 2) expert and public perceptions of nanotechnologies' benefits and risks, and methods to advance public participation; and 3) the historical and institutional origins of the nano-enterprise. Crosscutting initiatives target nanotech applications for solar and other renewable energies, environment, water, health, food, and the global value chain. These three research groups, along with seed grantees and strategic projects, have made over 650 scholarly presentations and generated over 500 publications which lay the groundwork for understanding the development of emerging technologies. Our researchers have achieved over 300 honors and awards, and have extended the impact of NSF's 10-year investment of \$13,099,715 by raising almost \$18 million in leverage and cost sharing funds.

Education & Outreach: CNS-UCSB education has fostered a diverse and highly collaborative community of cross-disciplinary scholars, while consistently producing excellent outcomes for its participants. CNS's centerpiece graduate fellowship program has trained over 129 grad and postdoc scholars from both social sciences and S&E in societal research, while mentoring ~30 community college interns from underserved communities. The CNS seminar draws participants from over 30 disciplines, while outreach activities have engaged multiple audiences in over 450 outreach presentations, reached 1000's of diverse public audiences, and include keynote addresses and expert testimony to dozens of governmental, intergovernmental and policymaking bodies in 25 countries, many receiving media coverage. The Center has co-founded a thriving new international scholarly organization, and CNS has convened a series of influential major international conferences and specialist workshops on East and West Coasts to address leading edge technology in society concerns.

Impacts/Outcomes: A recent center-wide public engagement effort demonstrates all the strengths of the Center at UCSB—solid interdisciplinary collaboration, reaching new audiences, building communities, and enhancing diversity. The Nov 2014 conference Democratizing Technologies: Assessing the Roles of NGOs in Shaping Technological Futures (<http://www.cns.ucsb.edu/demtech2014/welcome>) brought together scholars, NGO leaders, social scientists, and S&E from 5 continents to address real-world intersections of societal and technical knowledge and will result in high impact reports and publications for government, policymaker and scholarly audiences.

Outcomes: Successful development of the transformative technologies anticipated by the country's leaders depends on systematic knowledge about complex societal as well as technical factors.

To this purpose, at the sunset of the CNS at UCSB, each of the three IRGs has generated a Synthesis Report on the main cumulative scholarly results and broader impacts of their nearly 11 years of programmatic research, education and engagement. All three are available for download from the CNS website: <http://www.cns.ucsb.edu/irg-synthesis-reports>

Each synthesis report includes a short, concise section on recommendations to policymakers, based on the research findings. The three are titled:

Appelbaum, Richard P. (2016) CNS Synthesis Report on IRG 2: Globalization and Nanotechnology: The Role of State Policy and International Collaboration, (CNS-UCSB, Santa Barbara, CA), August, 2016

Harthorn, Barbara Herr, Nick Pidgeon and Terre Satterfield. (2016) CNS Synthesis Report on IRG 3: Understanding Nanotechnologies' Risks and Benefits: Emergence, Expertise & Upstream Participation, (CNS-UCSB, Santa Barbara, CA), August, 2016

McCray, W. Patrick, Cyrus Mody, Amy Slaton, and Brian Tyrrell. (2016) CNS Synthesis Report on IRG 1: Exploring Nanotechnologies' Origins, Institutions, and Community: A Ten Year Experiment in Large Scale Collaborative STS Research, (CNS-UCSB, Santa Barbara, CA), August, 2016

**Center Events:**

The CNS at UCSB closed its doors on Aug 31, 2016 at the conclusion of its NSF national center support (end of year 11), and Final Reports on this national center were submitted to the NSF in Nov 2016. The period covered in this ISBER report includes no events, due to the sunset of the center. The final CNS Sunset event was held in March 2016 in Santa Barbara and drew collaborators from around the globe, campus leaders, and center participants.

**UCSB Faculty Participants:**

Barbara Herr Harthorn, Anthropology, PI & Director  
Richard Appelbaum, Global Studies & Sociology, Co-PI

Craig Hawker, Materials, Co-PI  
W. Patrick McCray, History, Co-PI  
Miriam Metzger, Communication, Director of Education  
Peter Alagona, History & Environmental Studies  
Sarah Anderson, Bren School  
Javiera Barandiaran, Global Studies  
Edwina Barvosa, Fem Studies  
Bruce Bimber, Political Science  
Patricia Holden, Bren Scjpp;  
John Majewski, History  
Aashish Mehta, Global Studies  
John Mohr, Sociology  
David Novak, Music  
Lisa Parks (formerly CITS) Film & Media  
Casey Walsh, Anthropology

**UCSB Postdoctoral Scholars**

Xueying Shirley Han, Ecology, Evolution & Marine Biology  
Luciano Kay, Public Policy  
Tristan Partridge, Social Anthropology

**Non-UCSB Faculty Participants and Collaborators**

Christian Beaudrie, Compass Resource Management, Vancouver, CA  
Ann Bostrom, University of Washington  
Jennifer Rogers-Brown, Long Island University  
Karl Bryant, SUNY New Paltz  
Cong Cao, Nottingham University  
Mary Collins, SUNY-ESF  
Lauren Copeland, Baldwin Wallace University  
Christina Demski, Cardiff University, UK  
Jennifer Earl, University of Arizona  
Cassandra Engeman, Social Science Research Center, Berlin (WZB)  
Guillermo Foladori, Universidad Autonoma de Zacatecas, MX  
Milind Kandlikar, University of British Columbia  
Emily Nightingale, Science & Tech Policy Institute, Wash DC  
Joseph November, University of S. Carolina  
Rachel Parker, Canadian Institute for Advanced Research  
Phillip Shapira, GA Tech & University of Manchester, UK  
Denis Simon, Duke Kunshan University  
Amy Slaton, Drexel University  
Galen Stocking, Pew Research Center  
Jennifer Wooley, Santa Clara University  
Edgar Zayago Lau, Universidad Autonoma de Zacatecas, MX

**Non-UCSB Postdoctoral Scholars/Researchers**

Darrick Evensen, Psychology, Cardiff University, UK



Anton Pitts, Risk Science, Univ. of British Columbia  
Merryn Thomas, Psychology, Cardiff University, UK

## **CENTER FOR NEW RACIAL STUDIES (CNRS)**

**Director: Howard Winant**

**Co-Director: John Park**

### **Mission Statement/Goals:**

Research Center Focus 2017-2018:

Racism and the Resurgent Right

US Neo-Fascism Past and Present

Global Nationalism and Race

### **Highlights/Achievements:**

Dr. Winant is the keynote speaker at a conference at Yale, 9/10-11/2017 on "Racism, Antisemitism, and the Radical Right." He is on sabbatical leave Fall 17, teaching and on campus during Winter 2018 and Spring 2018.

Dr. Winant is also a panelist at the Broom Center (et al) conference, "Expanding Bridges, Overcoming Walls."

John Park's new book is forthcoming from Polity Press, *Immigration Law and Society*.

Currently in final editorial work/production for last UCCNRS research collection: *Global Raciality: Empire, Postcoloniality, and Decoloniality*, forthcoming from Routledge. This book is based on research the (old) UCCNRS funded during its last cycle.

The Center continues to manage a book series, also at Routledge, called *New Racial Studies Book*.

### **UCSB Faculty Participants:**

Terence Keel, Black Studies

Eileen Boris, Feminist Studies

Edward Telles, Sociology

### **Non-UCSB Faculty Participants/Collaborators:**

Yolanda Moses, UC Riverside

Devon Carbado, UC Los Angeles

Paola Bacchetta, UC Berkeley

Sunaina Maira, UC Davis

**EAST ASIA CENTER (EAC)**  
**Director: Sabine Frühstück**

**Mission Statement/Goals:**

The East Asia Center at the University of California at Santa Barbara promotes interdisciplinary research and cultural events on East Asia and brings together UCSB faculty, students, and leading scholars from other institutions, and visitors to create a nurturing community for the study of East Asia. EAC collaborates with a range of departments, chairs, and other units that are invested in education and public understanding of East Asia. EAC invests in relationships between UCSB and the East Asian region as well as the academy and the public.

The EAC at UCSB extends a warm welcome to all scholars, graduate and undergraduate students, artists, writers and other people interested in East Asian cultures. The role of the EAC is to bring this diverse group of people together more often and create a space for the exchange of ideas across disciplinary boundaries and across the academy and the wider community. We organize and sponsor lectures by visiting scholars, film screenings, and other activities on campus. We also administer a small travel grant program for graduate students once per year. We sponsor the affiliation of postdoctoral scholars who wish to spend a year at UCSB with their own funding.

**Highlights/Achievements:**

The current Director (since 2016), Sabine Frühstück (EALCS), has shifted the EAC's direction away from the previous director's priority in Chinese film to actively embrace all of East Asia, emphasize connections within East Asia, and promote a transnational and trans-disciplinary agenda. The range and themes of events reflect that new direction.

With the help of OR, Frühstück has also identified a number of extramural funding sources and secured support from the university administration. If applications are successful, these extramural institutional grants will benefit the entire East Asia community across divisions and disciplines, faculty, students, and the East Asia Library. Currently in progress are (1) the Korea Foundation Contract Faculty Member grant application, (2) the Korea Foundation Visiting Professor grant application, and (3) the Japan Foundation Institutional Project Support application. The call for (4), the Foreign Languages and Area Studies fellowship is expected for Fall 2017.

**Center Events**

**November 12, 2016**

The Shogun's Silver Telescope: God, Art & Money in the First English Voyages to Japan  
Timon Screech, Professor of Japanese At, School of Oriental and African Studies,  
University of London

*Co-sponsored with the Dept. of History, the Dept. of History of Art and Architecture, the Dept. of Economics, the Dept. Global Studies, the East Asia Center, and the IHC's Reinventing Japan RFG.*

**January 11, 2017**

American Women Missionaries, Christian Homes and Romantic Love in Meiji Japan  
Professor Rui Kohiyama, Tokyo Women's Christian University

**February 13, 2017**

Angry Spirits and Urban Soundscapes in Ancient Japan  
Professor Michael Como, Columbia University

**February 17, 2017**

TransAsian Experimental Music Symposium Talk and Performance  
Talk: Sound and Affect: An Anthropology of China's Sound Practices  
Adel Jing Want, Associate Professor, College of Media and International Culture,  
Zhejiang University  
Live Performance: James Fei, Associate Professor of Electronic Arts, Mills College and  
Kato Hideki, Musician, composer & producer, Brooklyn, NYC.  
*Co-sponsored with the Center for Taiwan Studies, L&S, EALCS, English, Film & Media  
Studies, MAT, and the ISF Shinto Studies Chair*

**February 25-26, 2017**

International Conference: Invisible Empire: Spirits and Animism in Contemporary Japan  
*Co-sponsored with the UCSB departments of: East Asian Languages and Cultural Studies,  
Religious Studies, History of Art and Architecture, English, Film and Media Studies,  
Comparative Literature, Interdisciplinary Humanities Center and East Asia Center*

**March 1, 2017**

Love, Peace, Dreams, and Bombs  
Panel featuring Yumiko Glover, MFA, Department of Art, UCSB

**April 6, 2017**

Pursuing Peace and Life in the Korean Demilitarized Zone  
Eleana Kim, Associate Professor, UC Irvine  
Co-sponsored with the departments of Anthropology, Asian American Studies, History,  
and East Asian Languages & Cultural Studies as well as the Reinventing Japan Research  
Focus Group and the Center for Cold War Studies

**May 3, 2017**

A Bitter Brew: Coffee and Labor in Japanese-Brazilian Colonial Literature  
Seth Jacobowitz, Assistant Professor, Yale University

**May 31, 2017**

Remnants of American Justice: Race and Sexuality of Japan's Revisionism  
Lisa Yoneyama, University of Toronto

**June 1, 2017**

Two Unforgivens: Clint Eastwood, Lee Sang-il, and Traveling Westerns  
Takashi Fujitani, Professor of History, University of Toronto

**June 19-20, 2017**

Repositioning Shugendō: New Research Directions on Japanese Mountain Religions  
International Conference

*Co-sponsorship*

**June 9-10, 2017**

Deep-Mapping the Spaces of Japanese History, conference

*Co-sponsorship*

**UCSB Faculty Participants:**

Asian American Studies: Erin Ninh; Lisa Park; John Park; Xiaojian Zhao.

Communication: Howard Giles.

East Asian Languages and Cultural Studies: Akiyo Cantrell; Bella Shu-chuan Chen;  
William Fleming; Sabine Frühstück; Daoxiong Guan; Jennifer Chuan-chen Hsu; Ann-  
Elise Lewallen; Xiaorong Li; Thomas Mazanec; John W. Nathan; Hyung Il Pai; Fabio  
Rambelli; Katherine Saltzman-Li; Dominic Steavu-Balint; Kuo-ch'ing Tu; Yoko  
Yamauchi; Mayfair Mei-hui Yang; Hsiao-Jung (Sharon) Yu; Xiaowei Zheng  
Ecology, Evolution and Marine Biology: Peter Chaillé; Peter Collins .

English: Yunte Huang; Shirley Geok-lin Lim.

Film & Media Studies: Michael Curtin; Bhaskar Sarkar; Naoki Yamamoto.

Gevirtz Graduate School of Education: Mary E. Brenner; Hsiu-zu Ho; Yukari Okamoto;

Mian Wang, Jin Sook Lee.

Global Studies: Richard Appelbaum, Jia-Ching Chen, Jan Nederveen Pieterse.

History: Anthony Barbieri-Low; Tsuyoski Hasegawa; Paul Spickard; Luke Roberts.

History of Art and Architecture: Peter Charles Sturman; Miriam Wattles.

Music: David Novak.

Political Science: Bridget Coggins; Laurie Freeman; Hahrie Han; M. Kent Jennings, Pei-te  
Lien.

Religious Studies: Jose Ignacio Cabezón; Andrea Castiglioni; Greg Hillis; William F.

Powell; Vesna Wallace.

Sociology: Mark Juergensmeyer.

**Non-UCSB Faculty Participants/Collaborators:**

Graduate students:

East Asian Languages and Cultural Studies: Elizabeth Kataoka; Winni Ni; Carl  
Gabrielson; Christoph Reichenbaecher; Kai Wasson.

History: Elijah Bender; Chichi Peng.

History of Art and Architecture: Colin Raymond.

Music: Stephanie Choi.

Postdoctoral scholars:

East Asian Languages and Cultural Studies: Carina Roth Al Eid; Silke Werth.

Other:

Davidson Library's East Asian Collection: Cathy Chiu; Gary Comenar; Seiko Y. Tu;  
Leahkim Gannet.

## **MESOAMERICAN RESEARCH CENTER (MARC)**

**Director: Anabel Ford**

### **Mission Statement**

The MesoAmerican Research Center seek to develop a broad understanding of the people, cultures, and environment of the greater Mesoamerican region of Mexico and Central America. Research of the center has emerged in the context of Anthropology and Archaeology, yet is wholly interdisciplinary in focus. The MesoAmerican Research Center continues to maintain its focus on the Maya forest and the broad fields of study in the region.

### **Highlights/Achievements**

2017 field season marked the completion of 10 sq km survey, or 50%, of the 20 sq km protected area of the El Pilar Archaeological Reserve for Maya Flora and Fauna.

The visibility of the work of the MesoAmerican Research Center has grown with the publication of the book, *The Maya Forest Garden: Eight Centuries of Sustainable Cultivation of the Tropical Woodlands* by Anabel Ford and Ronald Nigh. Participation in the Max Plank Institute workshop and the inclusion as a keynote panel of the Association of Tropical Biologists and Conservationists highlights the importance of the interest in the deep histories of the tropics.

### **Center Events:**

#### **July 1, 2016**

Presentation of *The Maya Forest Garden* book  
Dr. Anabel Ford, Director

#### **July 4, 2016**

The Place Called El Pilar, Confidence Building Through Archaeology Symposium  
Dr. Anabel Ford, Director

#### **July 16, 2016**

Belize Katun Celebration of 20 years of protection of the cultural and natural resources at El Pilar featuring Garifuna dancers, Marimba players, and the Pantasitix Youth Steele Band. National media coverage

#### **October 1, 2016**

Documentary Film: *El Pilar: Preserving the Maya Legacy*  
Catalina Film Festival  
Received Award of Excellence

#### **November 17, 2016**

Talk on the Collapse of Lowland Maya Civilization 1200 years ago, El Camino College  
Dr. Anabel Ford, Director

**January 12, 2017**

Using Cutting-Edge LiDAR Technology at El Pilar, Belize/Guatemala, in Discovering Ancient Maya Sites – Magic Wand or Fabulous Tool?

Pacific Coast Archaeological Society, Inc.

Irvine Ranch Water District Community Meeting Room

Anabel Ford, Director

**January 31, 2017**

Nepris Ancient Maya Presentation, Cleveland, Ohio

Anabel Ford, Director

**UCSB Faculty Participants/Collaborators**

Tom Brittnacher (Geospatial Data Curator, Library)

Keith Clarke (Professor, Geography)

John Damuth (Research Biologist, Biology)

Susan Mazer (Professor, Evolutionary Biology)

Frank Spera (Professor, Earth Science)

**Non-UCSB Faculty Participants/Collaborators:**

Izabela Bhering (photo)

Zacarias Chixchan, Agriculturalist and Maya Forest Gardener

Macduff Everton, Photographer

Blair Gibson (El Camino)

Jane Goodall, Conservationist

Clarissa Guggenheim, Photographer

Sherman Horn III (Western Michigan)

Claudia Knudson (GIS)

Paulino Morales (San Carlos Guatemala)

Sandro Teck, Painter

Cynthia Ellis Topsey (Community Outreach Belize)

Narciso Torres, Forest Gardener

Alfonso Tzul, Maya Forest Gardener

**ORFALEA CENTER FOR GLOBAL AND INTERNATIONAL STUDIES**

**Director: Michael Stohl**

**Mission Statement/Goals:**

The mission of the Orfalea Center for Global & International Studies is to provide an intellectual and programmatic focus for the University's activities in global, international, and area studies.

The Center approaches its mission by recognizing three distinct types of learning which build toward the mutual benefits of true collaboration. The first centers on "learning about," whereby we obtain knowledge by focusing on similarities and differences, often stressing the "exotic" nature of things "foreign," which represents only a preliminary

step in confronting things global. The second is “learning from,” a process of adopting, adapting and modifying existing knowledge based on discoveries made while investigating global phenomena, other cultures, or other approaches to knowledge. The third, “learning with,” is a primary goal of Orfalea Center collaborative activities with its global research partners. It is a process in which UCSB faculty and researchers confront global phenomena and global challenges to obtain and enhance theoretical knowledge or new modes of discovery by tapping the insights of collaborators from different cultural backgrounds with different epistemological lenses and different approaches to learning.

**Highlights/Achievements:**

The Orfalea Center moved to a new office space on campus at the beginning of the 2016-2017 academic year. The Center hosted a reception in early October to introduce Center affiliates to our new space on the second floor of Girvetz Hall.

On January 27-28, the Governance & Human Rights Hub held a highly successful workshop on human rights. The theme of this year’s workshop was Contracting Human Rights: Crisis, Accountability, and Opportunity. This workshop focused on global and local challenges to human rights in the areas of gaps, backlash, and accountability -- and new opportunities that point the way forward. The presenters represented a wide range of international scholarship from the U.S., Mexico, Spain, Austria, the U.K., and Denmark, with backgrounds in law, political science, sociology, history, and communication. Papers examined the challenges to human rights in a global perspective, including rights problems in Europe, the Middle East, Latin America and the U.S. Additionally, papers were selected which analyzed trends across multiple issue-areas of international institutions, development struggles, humanitarian action, censorship and communications, discrimination, democracy promotion, human trafficking, counter-terrorism, corporate social responsibility, civil society and social movements, and environmental destruction.

Finally, workshops like this have led to the publication of a book and a special issue journal from our Center affiliates this year. The work from participants in the Governance and Human Rights Hub’s February 2016 workshop, “Expanding human rights: 21st century norms and governance,” produced an edited volume of the same title. Additionally, a special issue on “Constructions of Terrorism” was edited by Michael Stohl and Scott Englund for the Perspectives on Terrorism Journal. This special issue compiles articles from the Orfalea Center and TRENDS Research and Advisory collaboration, which seeks to understand and explain how we construct our understandings of terrorism and extremism. It includes contributions from Orfalea Center affiliates Richard Falk, Scott Englund, Benjamin K. Smith, Andrea Fiqueroa-Caballero, and Michael Stohl.

**Center Events:**

**September 30, 2016**

Rebel Diplomacy in Civil War: A Roundtable

“What do We Know and What Should We Know about Rebel Non-Violence?”

Participants: Bridget Coggins (Political Science, UCSB); Tanisha Fazel (Notre Dame University); Kathleen Gallagher Cunningham (University of Maryland); Reyko Huang (Texas A&M's Bush School of Government & Public Service); Morgan Kaplan (Stanford University); Margarita Konaev (University of Pennsylvania); Zachariah Mampilla (Vassar College); William Reno (Northwestern University); Megan Stewart (American University's School of International Service).

**October 4, 2016**

Rethinking the Relevance of Pacifism in IR: The Case for Nonviolent Counterterrorism  
Richard Jackson, Deputy Director, National Centre for Peace and Conflict Studies

**December 6-7, 2016**

Constructions of Terrorism: Reconciling Human Rights, Human Security in Countering  
Terrorism Conference  
King's College, London  
Co-sponsored with TRENDS Research & Advisory, together with the International  
Centre for the Study of Radicalisation and Political Violence (ICSR) at King's College  
London

**January 27-28, 2017**

Contracting Human Rights: Crisis, Accountability, and Opportunity  
Workshop on Human Rights

**February 14, 2017**

Colloquium: Othering in ISIS  
Mark Juergensmeyer, Professor of Sociology and Global Studies, UCSB  
Presented by Religion in Global Public Life and hosted by the Orfalea Center

**February 28, 2017**

Habits and Policy: The Social Construction of Foreign Policymaking Processes  
Global Security Hub Meeting  
Mariano E. Bertucci, Visiting Scholar, Department of Political Science & Orfalea Center

**March 17, 2017**

Democratic Peace and the Wisdom of Crowds: A Theory and Experimental Evidence of  
Collective Intelligence in Ultimatum Bargaining  
Global Security Hub Meeting  
Brad LeVeck, Assistant Professor of Political Science, UC Merced

**April 8, 2017**

An Evening with the 2011 Nobel Peace Prize Laureate Tawakkol Karman  
2017 Hamdani Harmony Lecture  
*Sponsored by Saida & Jamal Hamdani, and presented by the Walter H. Capps Center for  
the Study of Ethics, Religion, and Public Life, the Department of Religious Studies, UCSB  
Arts & Lectures, the Orfalea Center for Global & International Studies, the Department of  
Global Studies and the Center for Middle East Studies*



**April 12, 2017**

An Examination of the Dissemination of, and Engagement with, Islamic State's Dabiq Magazine on Twitter

Stuart Macdonald, Fulbright Visiting Fellow at the Orfalea Center, and Professor of Law and Criminology at Swansea University, UK

*Co-sponsored with The Center for Information Technology and Society (CITS)*

**April 25, 2017**

Terrorist Narratives and Communicative Devices: Findings from a Study of Online Terrorist Magazines

Global Security Hub Meeting, Working Paper Series

Stuart Macdonald, Fulbright Visiting Fellow at the Orfalea Center, and Professor of Law and Criminology at Swansea University, UK

**May 5, 2017**

Food Assistance Policies and the Transformation of the Public/Private Welfare State in the US and Britain, 1972-1988

Caitlin Rathe, PhD Candidate, Department of History and a Blum graduate affiliate

*Co-sponsored with the Center for the Study of Work, Labor and Democracy*

**May 8, 2017**

Religious Tolerance and Pluralism in Indonesia

Muhamed Ali, Visiting Scholar, Department of Religious Studies, UCSB

**May 26, 2017**

Economic Growth on a Finite Planet: Robert Solow, Growth Theory, and the Environment

Christopher Jones, Arizona State University

*Co-sponsored with UCSB's Department of History*

**UCSB Faculty Participants:**

*Global Environment/Climate Justice Hub*

John Foran (Sociology), Ken Hiltner (English), Melody Jue (English), anne-elise lewallen (Bren), David Pellow (Bren), Tess Shewry (English), Richard Widick (Global Studies), Hahrie Han (Political Science), Kum-Kum Bhavnani (Sociology)

*Governance and Human Rights Hub*

Alison Brysk (Global Studies), Michael Stohl (Communication), Bridget Coggins (Political Science)

*Political Economy and Development Hub*

Amit Ahuja (Political Science), Mark Buntaine (Bren), Aashish Mehta (Global Studies), Stephan Miescher (History), Dena Montague (Center for Black Studies), Jan Nederveen Pieterse (Sociology), Stuart Sweeney (Geography), Casey Walsh (Anthropology)

### *Religion and Global Public Life Hub*

Janet Afary (Religious Studies), Juan Campo (Religious Studies), Mary Hancock (Anthropology), Cynthia Kaplan (Political Science), Fabio Rambelli (East Asian Studies), Erika Rappaport (History), Kathleen Moore (Religious Studies), Mark Juergensmeyer (Global Studies)

### *Global Security Hub*

Amit Ahuja (Political Science), Paul Amar (Global Studies), Bridget Coggins (Political Science), Sabine Frühstuck (East Asian Studies), Bishnupriya Ghosh (English), Neil Narang (Political Science), Bhaskar Sarkar (Film and Media Studies), Sherene Seikaly (History), Greg Siegel (Film and Media Studies), Michael Stohl (Political Science), Salim Yaqub (History)

### **Non-UCSB Faculty Participants/Collaborators:**

Tanisha Fazal (Political Science and Peace Studies, Notre Dame University), Kathleen Gallagher Cunningham (Government and Politics, University of Maryland), Reyko Huang (International Affairs, Texas A&M), Morgan Kaplan (Fellow, Stanford University's Center for International Security and Cooperation), Margarita Konaev (Fellow, University of Pennsylvania World House), Zachariah Mampilly (Political Science, Vassar College), William Reno (Political Science, Northwestern University), Megan Stewart (Transnational and International Security, American University), Richard Jackson (Deputy Director, National Center for Peace and Conflict), Gershon Shafir (Sociology, UCSD), Claire Wright (Law and Social Sciences, Universidad de Monterrey), Feryal Cherif (Political Science, Loyola Marymount University), George Andreopoulos (Political Science, City University of New York), Kirstin Ainley (International Relations, London School of Economics), Keith Watenpaugh (Religious Studies, UC Davis), Michael Etter (ETHOS Center for Responsible Enterprise, Cass Business School), Clair Apodaca (Political Science, Virginia Tech), Phillip Ayoub (Dept. of Politics, Drexel University), Felipe Gómez Isa (Dept of Public International Law, University of Deusto (Bilbao)), Wayne Sandholtz (School of International Relations, USC), Arturo Jimenez-Bacardi (International Relations, University of South Florida, St Petersburg), John Kirk Boyd (Director, Unite for Rights), Anthony Chase (Diplomacy and World Affairs, Occidental College), Mariano Bertucci (Visiting Scholar, Orfalea Center, UCSB), Brad LeVeck (Political Science, University of California, Merced), Samuel (Muli) Peleg (Rutgers University), Stuart Macdonald (Orfalea Center Visiting Professor and Fulbright Scholar, Professor of Law and Criminology at Swansea University, UK), Muhamad Ali (Religious Studies, UC Riverside), Christopher Jones (Historical, Philosophical and Religious Studies, Arizona State University).

### **The Richard C. Blum Center for Global Poverty Alleviation and Sustainable Development**

#### **Mission Statement/Goals:**

The mission of the Blum Center is to harness interdisciplinary perspectives to research the sources, mechanisms and consequences of Global Poverty in order to develop, assess and act on promising social and technical solutions that promote Sustainable Development

The goals are to:

- Education: provide innovative training and learning in order to foster critical engagement in global poverty alleviation and sustainable development
- Research: nurture a research hive at the Blum Center bringing together students, scholars and practitioners from various spheres to generate cutting-edge sustainable development solutions and ideas
- Service & Action: create outlets for students to apply their knowledge of global poverty alleviation and sustainable development solutions on and off campus
- External Engagement: foster a thriving eco-system at the Blum Center of local actors involved in global poverty alleviation and sustainable development who connect to share ideas that advance the field

### **Center Events:**

The UCSB Blum Center is still in a transitional stage. It currently has an interim Director (a Director is to set to be appointed in Fall 2017), a full-time staff member, and a faculty member who played a key role in programming as Faculty Coordinator of the Political Economy and Development (PED) Research Hub this year (which will become the Blum Political Economy and Development Research Hub once the Center is fully launched). Over a dozen faculty have also committed to being affiliated members of the Center. Two students (at the undergraduate and graduate level) were also hired this academic year to support student-focused activities on campus, and particularly UC-wide in collaboration with other Blum Centers.

UCSB Blum staff is in the process of building a core constituency of faculty and students. Specifically, Blum staff worked with the PED Research Hub to organize several working paper series events, where Blum-affiliated faculty presented their work and received feedback from faculty and graduate students. The PED Hub and Blum staff have also supported public lectures on campus. Notably, Dr. Ravallion visited UCSB in March 2017, including a dinner and meetings with Blum affiliated faculty, a closed lunch event where students engaged in an informal Q&A with Dr. Ravallion, and a public lecture on his research measuring global poverty and inequality, and effective interventions to reduce poverty. Furthermore, in May 2017 Blum staff and the PED Hub also worked with co-sponsors on campus to host Dr. Christopher Jones, an energy historian, who presented a talk on the history of theories of economic growth and finite natural resources.

UCSB is also a member of the Blum Federation. There are Blum Centers at each of the ten UC campuses. Taken together, these Centers form the Blum Federation, and have committed to three key deliverables with the aim of strengthening their connections and collaboration UC-wide. One of these deliverables was creating and supporting the development of a network of student leaders (i.e. the Student Action Council on Eradicating Poverty and Inequality - SACEPI), involving student representatives from each of the 10 Blum Centers.

The key event organized by SACEPI students this year, with support from Blum staff, was Global Poverty Action Day in April 2017. It involved student-led events on issues related to poverty that resonated with each campus, ranging from food and housing insecurity, responsible production and consumption, technology and humanitarian relief, poverty and foreign aid, as well as the intersection of poverty and health care. Here at UCSB, SACEPI students organized a film screening in several classes focused on the Rana Plaza factory collapse in Bangladesh in 2013 coupled with a Q&A, organized a panel discussion with experts on global supply chains and ethical production practices, and hosted a gathering between students and several of these experts to explore issues of responsible production and consumption in more detail. Lastly, UCSB also hosted student and staff/faculty representatives from virtually all the Blum Centers (in-person or virtually) in May 2017 for a half-day meeting to discuss lessons learned for SACEPI and how to improve the student leader network next year.

UCSB also supported other Federation deliverables this year. For instance, it actively promoted the Big Ideas innovation contest, managed by the UC Berkeley Blum Center but open to all UC students, by providing a 5-minute pitch to over 20 classes, and a few campus clubs, to strengthen UCSB student participation in the contest. Two Blum-affiliated faculty members also submitted material for the recently released Blum research compendium, supporting the Federation's effort to promote new research. Another UCSB Blum affiliate is also a faculty participant in a newly launched online course, Global Poverty and Inequality in the 21st Century, developed by UC Irvine's Blum Center with other campus partners.

Lastly, Blum staff has engaged with diverse departments and initiatives on campus to lay the foundation for future partnerships, including the Technology Management Program, Engineers Without Borders and the Promise Scholars Program. These campus-level activities are helping to build a research presence as well as a network of faculty and students interested in poverty and inequality at UCSB, which will provide a distinct group of expertise and contacts for the Blum Federation going forward.

**Highlights/Achievements:**

UCSB students, and staff, took on a lead role in coordinating Global Poverty Action Day (GPAD) with Blum Centers cross the Federation. Through this event, campuses were able to shine a light on poverty-related issues, faculty and resources, as well as develop connections across campuses based on shared interests. For instance, UCSB chose to focus its GPAD on responsible consumption and production. Thanks to networks facilitated by UCI Blum staff, a youth activist from UC Irvine was a feature speaker in our panel discussion here at UCSB. Press releases were also picked up by campus media at UCSB and UC Davis, or posted on Blum Center websites at UC Irvine and UCLA. Many campuses described a positive and empowering experience related to organizing and implementing GPAD, and expressed support for organizing a similar event UC-wide next year building on lessons learned from this past year.

In May 2017, the Blum Federation released a compendium "Discovering Solutions for Global Wellbeing" showcasing research conducted by Blum affiliated faculty, or funded

by Blum Centers, across UC campuses. The research projects of two UCSB Blum affiliated faculty were highlighted in this compendium, Mark Buntaine and Casey Walsh.

**Richard C. Blum Center UCSB Faculty Participants:**

Michael Stohl, Professor, Department of Communication (interim Director of the Center)

Aashish Mehta, Associate Professor, Department of Global Studies (Faculty Coordinator of the Political Economy and Development (PED) Research Hub, which supports research and public programming. Traditionally housed within the Orfalea Center for Global & International Studies, the PED Hub has been transitioning throughout this year to formally join the Blum Center once it fully launches).

**Richard C. Blum Center UCSB Affiliated Faculty:**

Amit Ahuja, Associate Professor, Department of Political Science  
Richard Appelbaum, Emeritus Professor of Global Studies and Sociology  
Javiera Barandiaran, Assistant Professor, Department of Global Studies  
Javier Birchenall, Associate Professor, Department of Economics  
Eileen Boris, Professor, Department of Feminist Studies  
Mark Buntaine, Assistant Professor, Environmental Institutions & Governance, Bren  
Aashish Mehta, Associate Professor, Department of Global Studies  
Stephan Miescher, Associate Professor, Department of History  
Alice O'Connor, Professor, Department of History  
Jan Nederveen Pieterse, Professor, Department of Global Studies  
William Robinson, Professor, Department of Sociology  
Sherene Seikaly, Associate Professor, Department of History  
Cynthia Stohl, Professor, Department of Communication  
Michael Stohl, Professor, Department of Communication  
Stuart Sweeney, Professor, Department of Geography  
Casey Walsh, Associate Professor, Department of Anthropology

**Non-UCSB Faculty Participants and Collaborators:**

Non-UCSB Faculty Collaborators include key contacts at other Blum Centers with whom we connect or collaborate on relevant issues and activities. These include:

- UC Davis: Lovell (Tu) Jarvis, Professor, Agricultural and Resource Economics, and Director of UC Davis Blum Center for Developing Economies
- UC San Diego: Fonna Forman, Associate Professor, Political Science, and Co-Director of the UCSD/Blum Cross-Border Initiative
- UCLA: Michael Rodriguez, Professor, Family Medicine, and Director of the UCLA Blum Center on Poverty and Health in Latin America
- UC Merced: Kurt Schnier, Professor, Economics, and Co-Director of the UC Merced Blum Center for Alleviating Poverty and Social Disparities
- UC Santa Cruz: Heather Bullock, Professor, Psychology, and Director of the UC Santa Cruz Blum Center on Poverty, Social Enterprise and Participatory Governance

- UC Riverside: David Brady, Professor, Public Policy, and Director of the UC Riverside Blum Initiative for Global and Regional Poverty
- UC Irvine: Richard Matthew, Professor, Urban Planning and Public Policy and Political Science, and Director of the UC Irvine Blum Center for Poverty Alleviation

### **Mellichamp Initiative on 21<sup>st</sup> Century Global Dynamics**

#### Janet Afary

##### Sponsored Conferences & Workshops:

Marriage, Family, Religion, and Culture in Pre-Islamic and Early Islamic Iran and the Middle East. Co-organized by and held at New York University Abu Dhabi, January 10, 2017.

Iran Cultural Borderlands. Panel organized for the Annual Conference of the Iranian Studies Association held in Vienna, August 5, 2016. Mellichamp Travel Fund supported two of our PhD students, Eric Massie and Sergey Salushev, to present papers.

The Global Rise of the Right. Conference organized by the Society of Global Scholars and the UCSB Department of Global Studies, Friday, November 18, 2016. Co-Sponsor.

##### Sponsored and Co-sponsored Talks:

Ari Babaknia (Chapman University). "Writing a History of the Holocaust, in Farsi." October 28, 2016.

Fereshteh Molavi (Canadian-Iranian author). "Conversation." November 10, 2016.

Hanan Kholoussy (American-Egyptian historian). "Love and Revolution: A History of Egypt's Marriage Crisis. April 19, 2017.

Foojan Zeini (American-Iranian psychologist). "Life Reset." Issues facing migrants from Iran and Muslim-Majority countries. May 16, 2017.

#### Alison Brysk

##### Sponsored Conferences & Workshops:

Contracting Human Rights: Crisis, Accountability, and Opportunity. Co-organized with the Governance and Rights Hub of the Orfalea Center for Global & International Studies. January 27-29, 2017. UC Santa Barbara.

##### Invited Conferences and Lectures:

Invited speaker: "Los derechos humanos no es la respuesta, es la pregunta, es lo que utilizamos para poder abrirnos a la dignidad." October 2016. Eighth Worldwide Meeting on Human Values in Monterrey, Mexico.

Invited speaker: 2016-2017 Marsha Lilien Gladstein Visiting Professor of Human Rights,

"The Future of Human Rights: Now More Than Ever." March 28, 2017. Human Rights Institute, University of Connecticut.

Invited Participant: Regional Consultation on the 2020 Review of the United Nations Treaty Body System. June 1-2, 2017. Columbia University, School of International and Public Affairs.

Michael Curtin

Sponsored Conferences & Workshops:

Changing Channels in Global Media Industries. March 21, 2017. Co-sponsored with and held at University of Madison-Wisconsin Department of Communication Arts.  
Transnational Hollywood workshop. June 8, 2017. Co-sponsored with and held at Laboratory of Political Theories, Center for Sociological and Political Research, Paris (CRESPPA), June 2017.

Sponsored and Co-sponsored Talks:

Hector Amaya (University of Virginia). "Violence and the Structuring of Public Anonymity in the Mexican Blogosphere." October 26, 2016.  
Joseph Sung-Yul Park (National University of Singapore). "Language, globalization, and transnational mobility." October 28, 2016.  
Kay Dickinson (Concordia University). "Moving Image Labor in Unstable Times." February 23, 2017.  
Philippa Lovatt (University of Stirling), Gaik Cheng Khoo (U. of Nottingham, Malaysia), Jasmine Nadua Trice (UCLA). "Time, Space, and the Visceral in Southeast Asian Cinemas: An Experiment in Critical Collaboration." April 26, 2017.

Invited Conferences and Lectures:

Invited conference participant: Rethinking Media Through the Middle East. January 12-14, 2017. The American University of Beirut.  
Keynote speaker: Film Policies in Transition: Globalization, Digitization, Protectionism conference. June 2, 2017, King's College London.

Jan Nederveen Pieterse

Sponsored and Co-sponsored Talks:

Jack Rasmus (St. Mary's College). "Why the US and Global Economies Are Growing More Unstable." October 27, 2016.  
Dawei Cheng (Renmin University of China). "One Belt One Road: China's Trade Governance." February 10, 2017.  
Florian Stoll (Bayreuth University). "Who Are Africa's Middle Classes?" April 20, 2017.

Invited Conferences and Lectures:

International Sociological Association Forum, Vienna: Plenary Chair panel Contention in 21st Century, July 13-16, 2016.  
UKM, Kuala Lumpur, Malaysia: Configurations of Southeast Asia, July 18-26, 2016.  
Long Island University, Global College: Video Seminar on Global Studies, August 8, 2016.

Maastricht University, Opening MA Globalization and Development, September 13-14, 2016.

Podcast interview with Susan Bird, TED talks: China and Globalization, December 22, 2016.

Occidental College, Los Angeles, February 14, 2017.

University of Utah, World Languages: Public Lecture & Seminar, March 2-3, 2017.

Macau University, Communication. March 19-21, 2017.

Hong Kong Baptist University, Global Society, March 22, 2017.

Sun Yat-Sen University, International Studies, March 23-26, 2017.

Shanghai University, Center for Global Studies, March 26-28, 2017.

Shantou University, Center for Global Studies, March 29-April 2, 2017.

Los Angeles, Getty Villa/Zocalo Public Square, June 7, 2017.

#### Cluster Website / global-e journal

The 21st Century Global Dynamics initiative website was fully launched in March 2017. It describes the background of the initiative, spotlights the research, recent activities, and publications of Cluster faculty, is home to the online global studies journal global-e (see below), and highlights Global Dynamics PhD Research Fellows as well as visitors.

#### global-e journal

The journal was founded in 2007 in collaboration with five U.S. Title VI Centers. Although serving a readership in more than 170 countries, the journal went on hiatus in 2014 due to funding issues. GDI re-launched global-e in late 2016 and publishes feature essays semi-weekly. By the end of the 2016-17 fiscal year, global-e had published 60 original essays by a wide range of scholars, activists, diplomats, and others. The essays are archived at: <http://www.21global.ucsb.edu/global-e/archive>

#### PhD Research Fellowship Program

During the academic year 2016-17, the Mellichamp cluster supported four UCSB PhD students with research fellowships.

Natasha Bennett (Political Science) – Human Rights

Yunuen Gomez-Ocampo (Spanish & Portuguese) – Human Rights

Lan Le (Film & Media Studies) – Political Economy

Eric Massie (History) – Gender & Islam

#### Visiting Scholars

The Mellichamp Chair in Global Studies & Sociology (Political Economy), Jan Nederveen Pieterse, hosted Nepalese PhD candidate Ratna Mani Nepal as a visiting scholar during spring quarter, 2017. During his visit Mr. Nepal conducted research on issues in comparative political economy and development, and gave a public talk at UCSB on his research.



## **SPECIAL PROGRAMS**

**July 1, 2016-June 30, 2017**

### **Automated Vital Statistics System (AVSS)** **(Health Data Research Facility)** **Director: Ron Williams**

#### **Mission Statement/Goals:**

The primary objective of the Health Data Research Facility (HDRF) is the continued development and operation of the University's Automated Vital Statistics System (AVSS). The goal of AVSS is to collect and disseminate electronic vital records data for use by public/private agencies and research institutions throughout California as a source of information to improve the health of women and children in California.

#### **Center Events:**

The HDRF provides information technology to hospitals, local health departments, and to the California Department of Public Health. It enables state and local health agencies to access an electronic database at UCSB containing all birth certificates that have been registered in California since 2000. The database constitutes the principal source of information for the reporting of California birth data to the National Center for Health Statistics (about 1 in 8 US births). Electronically matched birth and infant death certificates from AVSS are also the source of an annual "birth cohort file" that has been used historically by researchers throughout the state for important epidemiological studies.

#### **Highlights/Achievements:**

Now operational in over 300 health facilities throughout the state, AVSS collects, disseminates, and reports a large volume public health data. AVSS is used to produce paper birth certificates and, in so doing, it creates a database containing nearly 15 million birth records. This database is used by local, state, and federal statistical agencies to monitor maternal and infant health in California. AVSS continues to collect all-electronic data items that, prior to 2007, were considered too controversial (such as maternal weight gain or the use of tobacco) to be reported on the paper birth certificate. Capturing this information electronically has enabled studies of these important maternal and infant risk indicators for the first time in California. HDRF staff continues to report on the rates of completeness of the new variables and make them available online to hospitals and state/local health departments. The information is used by our collaborators at the California Department of Public Health when hosting workshops for hospital staff to communicate the importance of complete and accurate reporting. Empirical evidence indicates that these activities have had a positive impact on the quality and completeness of maternal and infant variables reported on the California Certificate of Live Birth. HDRF staff is currently participating in the California Department of Public Health's Certificate Revision Workgroup. The goal of this organization is to study and make recommendations on the need to revise birth, death,

and fetal death certificates by adding new indicators and deleting those that are no longer needed.

### **UCSB McNair Scholars Program**

**Director: Beth Schneider**

**Assistant Director: Yvette Martinez-Vu**

**Program Coordinator: Marcus Mathis**

The UCSB McNair Scholars Program is fully funded by the offices of the Executive Vice Chancellor, the Letters of Sciences Executive Dean, and the L&S divisional deans, with commitments to continue through June 30, 2018. The McNair team applied to the national competition for federal support from the Department of Education in its next funding cycle; if funded, DOE funds will become available in October 2017. For the 2017 calendar year, the McNair team secured an additional grant from Edison International that supports research activities of students in STEM fields.

### **McNair Scholars Program Mission and Goals**

The goals of the UCSB McNair Scholars Program remain consistent with the national program, despite lack of current funding from the Department of Education. The program is intended to promote entrance into doctoral studies for first-generation, low-income undergraduates and/or students under-represented in graduate study. The program remains available for students in all majors on the UCSB campus. Students in this McNair Scholars program have the opportunity to undertake two years of faculty mentored research and participate in seminars and workshops which prepare students for entrance to graduate school.

The UCSB-specific goals for the recipients of the McNair Scholarships include: 100% of McNair Scholars participating in a minimum of one faculty mentored research experience; 100% of McNair participants presenting their research at a minimum of two research symposia; 100% of active McNair participants in their senior year applying to post-baccalaureate programs prior to receiving their bachelor's degree; 75% of bachelor degree recipients enrolling in a post baccalaureate program by the fall term of the academic year immediately following completion of their degree.

Recruitment: Under the direction of Director Beth Schneider and then Assistant Director, Monique Limón, the McNair Scholars Program completed its ninth year on September 30, 2016. Transfer students are recruited in the Fall of each academic year; rising juniors are recruited each spring quarter. In 2016-2017 (through Summer 2017), students in the program majored in the following areas: Anthropology, Biology, Biochemistry, Biopsychology; Black Studies, Chemistry Chicana and Chicano Studies, Classics, Communication, Computer Science, Earth Science, Economics, Electrical Engineering, English, Environmental Science, Feminist Studies, Geography, Global Studies, History, Linguistics, Mathematics, Music, Physics, Political Science, Psychology, Sociology, Spanish, and Theatre.

UCSB McNair Scholars Research Journal: The 7th volume of the McNair Scholars Journal was published in Spring quarter 2017. It contains the work of six graduating seniors and one junior that represents the wide range of fields in which the students major. The journal is on line at: <http://mcnair.ucsb.edu/journal.html>

Participation in Summer Research Programs and Student Presentations: McNair Scholars undertake their first summer of research with UCSB faculty. In their second year, students may remain at UCSB for a second year of faculty-mentored research or they have the opportunity to take part in a second summer research experience with faculty at universities around the United States in undergraduate research programs seeking low-income, first generation or underrepresented students. The table below provides information about the year, number of students, and locations of UCSB McNair Scholars in summer programs elsewhere for 2009 through 2017.

**Table 1: UCSB McNair Scholars Participation in Other Summer Programs**

DATE	NUMBER	LOCATION
2009	7	Brown; California Academy of the Sciences; Columbia; Harvard; UC-Irvine; UCLA; UC-Riverside
2010	3	Howard; North Carolina-Chapel Hill; UC-Berkeley
2011	7	Arizona; Columbia; North Carolina-Chapel Hill; Princeton; Purdue; UC-Davis; UC-Irvine
2012	5	Michigan; UC-Berkeley; UC-Irvine (2) ; Laboratories at San Juan Island, Washington
2013	5	Brown; Harvard; Johns Hopkins; Maryland; MIT
2014	6	Illinois-Chicago; Illinois-Urbana, Campaign; Johns Hopkins; New Mexico (2); Stanford
2015	7	Maryland; New Mexico; Northwestern; Rochester; UC-San Diego (2); Wisconsin
2016	5	Duke; Michigan; Notre Dame; Utah; Wisconsin
2017	6	University of Central Florida (NSF-REU); Johns Hopkins; Northern Texas (NSF-REU); Northwestern; UCLA; Max Planck Institute (Germany)

In Spring Quarter 2017, McNair participants offered poster presentations at the UCSB Undergraduate Research Colloquium organized by the Undergraduate Research and Creative Activities Office of the College of Letters and Sciences. In addition, McNair Scholars in attendance in the 2016 UCSB Summer Program presented their research posters at the 2016 campus-wide Summer Colloquium Series for participants in all student summer research programs on the UCSB campus. Additionally, five McNair scholars presented their work at the McNair National Research Conference in Atlanta. Seven will present at the Berkeley McNair Conference in July 2017. All participants in the 2017 Summer program will provide oral presentations at the McNair Symposium and the campus summer Colloquium session in August 2017.

Applications to and Attendance in Graduate Programs: The UCSB McNair Scholars Program has been remarkably successful in preparing undergraduates for graduate school and for their enrollment in graduate programs after graduation. In Fall Quarter 2010, eighteen undergraduates applied to graduate programs: Of these 9 students attended Master’s Programs at Boston College, Cornell, CSU-Fullerton, CSU-Fresno, Chicago School of Professional Psychology, Eastern Michigan, Harvard and the University of Miami, and 4 students entered Ph.D. programs at Berkeley, University of Chicago, University of Southern California, Wright Institute. All of the students in Master’s programs have completed those degrees.

In 2016-2017, of twelve seniors, nine will attend graduate programs in Fall 2017. Five are attending Master’s programs at the Utah State University, University of South Florida, San Diego State, USC and UCLA. The doctoral program attendees will be at the University of Washington, Michigan, UCLA and Brown. One senior deferred admission to Stanford.

Doctoral Completion Rates: US Department of Education outcome data requests # and % of completed doctoral degrees by 10 years post-BA. At present, we do not have 10 years of data. What we do have thus far: 11% of all the students who have ever been McNair Scholars have completed a PhD as of June 2017. We anticipate that five more of the students from the 2010 cohort and four more of the students from the 2011 cohort will have completed by June 2018, which would mean that of the 99 students in the UCSB McNair program who graduated from June 2009 through June 2016, 18 students (18%) would have completed a PhD. [See Table 2 below]

**Table 2: Completion of Doctoral Degrees: UCSB McNair Scholars (data, as of June 2017) Seniors (graduated in June)**

Seniors (graduated in June)	Number in cohort	Number and Percent: Attended or Attending Any Post-Bac Program	Number and Percent : Attended or Attaining Doctoral Programs	Number – Completed PhDs
2009	6	4/6; 66%	1/6; 16%	1
2010	15	14/15; 93%	10/15; 66%	5
2011	19	15/19; 79%	6/19; 32%	2
2012	13	12/13; 92%	8/13; 62%	1
2013	13	11/13; 85%	5/13; 46%	-
2014	10	7/10; 70%	8/10; 80%	-
2015	12	10/12; 83%	4/10; 40%	-

2016	11	8/11; 73%	6/11; 60%	-
				-
TOTAL	99			9

Faculty Mentors: In addition to Dr. Schneider (Sociology), faculty members who served as mentors during academic year 2016-2017 or who began working with students during summer 2017 include the following:

Ralph Armbruster (Chicana and Chicano Studies); Miya Barnett (Education); Denise Bielby (Sociology); Felice Blake (English); Mary Bucholtz (Linguistics); Keith Clarke (Geography); Nancy Collins (Brain and Psychological Sciences); Mattanjah De Vries (Chemistry); Erin Dowdy (Education); Brigette Goggins (Political Science); Michael Gurven (Anthropology); Craig Hawker (Chemistry); Mary Hegarty (Psychology); Joseph Hennawi (Physics); Leslie Hogan (Music); Miriam Kia-Keating (Education); Heejung Kim (Psychology); Yanni Lasala-Blanco (Political Science); Robin Matoza (Earth Science); Sears McGee (History); Rebeca Mireles-Rios (Education); Benjamin Monreal (Physics); Craig Montell (Molecular, Cellular and Developmental Biology); Laury Oaks (Feminist Studies); Javier Read deAlaniz (Chemistry); Victor Rios (Sociology); Alyson Santoro (Ecology, Evolution and Marine Biology); Clint Schow (Electrical and Computer Engineering); Denise Segura (Sociology); Paul Spikard (History); Mark Srednicki (Physics); David Valentine (Geological Sciences); Megan Valentine (Mechanical Engineering).

Facilities: During 2017-18, the McNair Scholars Program, located in Building 477, continued to work out of 6 rooms (five offices and one student computer-lab and conference room).

### **Edison-International Program, 2016 and 2017**

Funding from Edison-International 2016: These funds were awarded for the 2016 calendar year. Funding was intended to support students who are women, low-income, first-generation, veterans and those historically underrepresented in specific STEM fields. The fields included Computer Sciences; Computer Engineering; Electrical Engineering; Mechanical Engineering, and those with Bachelor of Science majors in Earth Science and Environmental Studies. The funds supported twenty scholarships to undergraduates undertaking research-related activities or preparation for graduate school-related activities during the academic year. During summer 2016, the McNair staff provided a summer research program, providing stipends to eleven students in the Edison-identified fields participating in research under the direction of a faculty mentor; these students also attended a weekly professional development seminar. All students in the Edison-McNair summer program presented their research at the University-wide summer colloquium in August 2016.

Faculty Mentors during the Edison-International 2016 year included: Carl D'Antonio (Environmental Sciences); Ilan Ben-Yaacov (Electrical and Computer Engineering); Frederic Gibou (Mechanical Engineering); Bradley Hacker (Earth Sciences); Philip Lubin (Physics); Umesh Mishra (Electrical and Computer Engineering); Tyler Susko (Mechanical Engineering); Luke Theograjan (Electrical and Computer Engineering); Ben Zhao (Computer Science).

Funding from Edison-International 2017: These funds are used to support students in STEM through scholarships, GRE support, and the summer 2017 Edison-McNair summer program. Seventeen students are currently enrolled in the summer program with majors in Biochemistry, Chemical Engineering, Chemistry, Computer Engineering, Earth Sciences, Mechanical Engineering, and Physics.



# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

Research in Progress  
2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

**RESEARCH IN PROGRESS**  
**July 1, 2016 – June 30, 2017**

**AHUJA, AMIT, Principal Investigator**

The Political Consequences of Skin Color in a Multicolored Democracy

UCSB: ISBER Social Science Research Grant Program (SSRGP)

SS18AA

07/01/16 – 06/30/17

\$8,000

Research from across the world has shown that skin tone is a source of social bias. Dark skin color is stigmatized in many societies. The political consequences of this bias, however, have not been well established as yet. This project aims to identify the political consequences of skin tone in India, the world's largest democracy. Specifically, in a country of largely medium brown and dark skinned people, it will determine how the skin tone of candidates and voters influences who gets elected to office.

In the first ever systematic study of political effects of skin color in India, I will conduct a survey experiment involving 5000 respondents across two large Indian States, Uttar Pradesh in the North and Tamil Nadu in the South. Each respondent will randomly be administered one of 12 treatments based on candidate skin color, caste, and class. Skin complexion is a significant attribute of a candidate appearance. Given the strong social bias against dark skin color in India, I would expect more voters, irrespective of their caste, income category, and skin complexion, to be willing to vote for a fair skinned candidate than for a dark skinned one. Most of the insights on skin color related effects in politics have emerged from racial societies like the United States or parts of Latin America. But skin color related bias is not confined to racial societies alone. This then makes studying political effects of skin color especially useful in a nonracial society like India where skin color is not associated with either race or ethnicity.

**ALAGONA, PETER, Principal Investigator**

CAREER - A Sanctuary for Science: The University of California's Natural Reserve System and the Role of Biological Field Stations in American Environmental History, 1950-2010  
National Science Foundation

SES-1055743/UCSB 20160027

07/15/11 – 09/30/17

\$400,488

How have biological field stations shaped American environmental science and politics since World War II? The project seeks to answer this question through a historical study of the University of California's Natural Reserve System (UC NRS)—the largest and most diverse network of field stations administered by any academic institution in the world.

Science studies scholars have long focused on laboratories as spaces for the production of knowledge. Research on field sites has remained more limited in scope, and most work has focused on the period from 1890 to 1940. This project proposes that, despite this lack of scholarly attention, biological field stations have played crucial roles in environmental science and politics since World War II. Field stations constitute the “missing masses”—present but unaccounted for—in the literature on American environmental history. The



following proposal describes a five-year plan to investigate this story through archival and oral history research at the UC Natural Reserve System. The project will produce a series of articles that explore the history of the NRS, and the role of field stations more generally, in American environmental history and the history, philosophy, and social studies of science. I will also complete a book manuscript, based on these experiences that will explore theoretical and methodological problems related more generally to the study of environmental change.

This project integrates research and teaching through a series of collaborative learning activities. Undergraduate and graduate students will enroll in a new field seminar, entitled Field Studies in Environment and History, and build their research skills through internships, trainings, workshops, and tailored mentoring programs. They will also have the opportunity to contribute to the larger project by joining the research team. Each year, the research team will assist in the completion of a new case study focused on a different UC field station. The teams will conduct original research, survey primary sources, and collect materials that will contribute to a new UC Natural Reserve System Archive. The archive will preserve important historical documents, and facilitate further research and teaching programs central to the UC and NRS missions. The project's four components—research, teaching, outreach, and archival conservation—are thus inseparable.

**AMAR, PAUL, Principal Investigator**

**SAKR, LAILA, Co-Principal Investigator**

**SEIKALY, SHERENE, Co-Principal Investigator**

Freedom of Assembly in Civic Space: "After Tahrir: Dissent Experiences and Future Visions in Egypt and Beyond"

Open Society Institute

OR2016-26416/UCSB 20160808

06/01/16 – 12/31/16

\$25,000

In the contemporary context of reborn authoritarianisms, re-launched global wars on terror, and remilitarized forms of policing worldwide, an international network of activists, human-rights defenders, scholars, journalists and artists are coming together from across the globe to develop a long-term strategy to capture and analyze data with particular focus on policing, civic organization, reporting and media around protests and the safety (physical and digital) of participants. This collaborative initiative aims to analyze best strategies for strengthening movements and advocates for rights to assembly and access to civic space and assess the most positive modes of intervention by international donors.

Global in scope, and comparative in its assessment methodologies, this collaboration nevertheless looks in-depth to certain case studies in order to weigh successes and failures, challenges and limitations in the particular social, cultural and political contexts. The aim is to draw upon the significance of these cases as we look outward toward global trends and develop applications and recommendations for analogous civic struggles as identified with this network's specific partners Brazil, Mexico, Turkey and Chile, and with the potential to reach to other sites once our first sets of findings and recommendations are drafted. In this light, this process begins with a remarkably inclusive and probing gathering of civic

activists and allied scholars to mark the five-year anniversary of the Tahrir Square Uprisings in 2011 which toppled Egypt's long-term dictator Hosni Mubarak.

An examination of the Egyptian experience serves as the inauguration of this collaboration initiative. Those epochal protests and uprisings in Egypt animated human rights agendas in powerful new ways and unleashed a civic revolution. This moment of assembly, expression and civic engagement was unprecedented in the large numbers of people that participated, for the diverse communities it energized (women, youth, Muslims and Christians, labor, students, urban poor, peasants, children), and for the global support it engendered. The Egyptian Uprisings also served as a global turning point in the history of repression. Immediately following the "January 25th Revolution" in Egypt, at least fifty-eight countries around the world passed draconian laws to restrict or fundamentally cripple the right to protest and occupy civic space. Government in ostensibly "democratic" regions of North America, the European Union, and Latin America ratified repressive dictates. They also developed and deployed new apparatuses of surveillance and criminalization against those using the Internet as one site of many for civic opposition. In the past five years after Tahrir, many of those who comprised this electrifying "2011 Generation" of human rights defenders and youth civic leaders have been fined, beaten by police, and arrested. In this context, a team of human rights defenders and scholar/activists will converge at UC Santa Barbara to launch a six-month intensive process of learning, evaluation, and reimagining that starts with a five-day event.

**AMEERIAR, LALAIE, Principal Investigator**

Saving Muslim Women: Examining Forced Marriage and Honor Killing among Muslim Immigrants in London, United Kingdom

Institute for Advanced Study

SB170009/UCSB 20161280

09/01/16 - 06/30/17

\$45,000

My book project, "Saving Muslim Women," is an ethnographic study of legal protections surrounding forced marriage and honor abuse and killings within predominantly Pakistani Muslim immigrant communities in London in the United Kingdom. There are some 9,000 forced marriages in the United Kingdom every year, and from 2010 to 2014, the U.K. police recorded 11,744 cases of honor-based violence. In response, the United Kingdom passed the Forced Marriage (Civil Protection) act of 2007, enabling victims to apply for court orders of protection. In 2014, in conjunction with the Anti-social Behavior, Crime and Policing Act, forced marriage officially became a crime punishable by up to 7 years in prison. The legislation has not been received without controversy. Lawyers have argued that this legislation will not be beneficial to victims, acting rather to deter women from coming forward for fear of implicating their families in court proceedings. My book argues that human rights laws (and the transnational discourse and practices that structure them) are central to the governing of Muslim minorities in the U.K., but have resulted in unintended consequences. The result is a disjunction between the law and the community, between human rights and humanitarianism that lies at the heart of this book, particularly where these coalesce within discourses regarding women's rights in marginalized communities. The Princeton Institute for Advanced Study is an ideal location to work on this manuscript.

**AMEERIAR, LALAIE, Principal Investigator**

Saving Muslim Women: Examining Forced Marriage and Honor Killing among Muslim Immigrants in London, United Kingdom

UCSB: ISBER Social Science Research Grant Program (SSRGP)

SS18AL 07/01/16 – 06/30/17 \$7,980

This project is on forced marriage and honor abuse and killings among Muslim immigrants in London, United Kingdom. As opposed to an arranged marriage, forced marriage happens against the will of one or more parties and is viewed as a human rights violation by the United Nations. An honor killing involves the murder of a family member in response to a perceived affront to the family’s reputation, such as the refusal of a forced marriage. According to former Chief Crown Prosecutor of the Crown Protection Service for North West England Nazir Afzal, there are 8,000-10,000 forced marriages or threats of forced marriages in the U.K. annually. From 2010 to 2014, the U.K. police recorded 11,744 cases of honor based violence, including abductions, beatings and murders, yet only a fraction are prosecuted. In response to the prevalence of forced marriages in the UK, on June 16, 2014, new legislation in the form of The Antisocial Behavior, Crime and Policing Act 2014 came into effect in the UK making forced marriage a crime and punishable by up to 7 years in prison. The legislation is controversial. Councillor Sameem Ali (herself force married at the age of 13) argues this legislation will not be beneficial because it will deter women from coming forward because they will have to implicate their family in court. This project theorizes that human rights laws are central to the governing of Muslim minorities in the U.K., but that they may have unexpected consequences.

**ANDERSON, SARAH, Principal Investigator**

**MILDENBERGER, MATTO, Co-Principal Investigator**

The UCSB Environmental Values and Opinion Panel

UCSB Academic Senate

MMACAD 07/01/16 – 06/30/17 \$10,000

Over the past two decades, US environmental politics has become increasingly contentious. Yet, we still don’t understand well why people change their environmental beliefs and behaviors over time. The major barrier to studying environmental opinion and value change is, simply, a lack of data on change itself. Existing data on the American public’s climate beliefs consist of “snapshots” of the American public at various points in time. However, the individuals who are surveyed change from snapshot to snapshot. By contrast, panel data is the methodological gold standard for social scientific research about individual-level opinion and value changes. A panel survey, unlike the conventional cross-sectional survey, interviews the same respondents many times over months or years. However, panel data is rarely collected because it has traditionally been cost-prohibitive.

We leverage a new ecosystem of internet start-ups that facilitate panel recruitment and compensation to collect panel data at a fraction of the cost charged by third-party survey vendors. To our knowledge, this will only be the second opinion panel on environmental attitudes globally. This unique dataset will help track public beliefs about environmental,

energy, and climate concerns at a moment when they are central to the dynamics of US political conflict. The panel builds from a multi-year collaboration between psychologists, environmental scientists and political scientists at UCSB with collective expertise in environmental opinion, environmental psychology and environmental politics. Faculty on the project team are affiliated with the Department of Political Science, the Bren School of Environmental Science and Management, and the Department of Psychological and Brain Sciences.

**BEDARD, KELLY, Principal Investigator**

**LUNDBERG, SHELLY, Co-Principal Investigator**

Encouraging Women to Consider an Economics Major

National Bureau of Economic Research, Inc.

SB160048/UCSB 20160352

10/01/15 – 06/30/20

\$12,500

Our preliminary analysis of enrollment patterns at the UC Santa Barbara suggests that the first, and likely primary, leakage point where we lose female students occurs between the first principles course (microeconomics, Econ 1) and the second principles course (macroeconomics). As is the case in other departments, our retention rate for female students earning A- and B+ grades is substantially below the retention rate for male students with the same grades. Entry into the Economics or Economics and Accounting majors requires a grade point average of 2.85 in the introductory and intermediate micro classes, so we are losing a lot of women who could reasonably expect to be successful in both major entry and the major itself.

We are planning two interventions: 1. Reviving a series of informational meetings for recent Econ 1 students that emphasize the variety of economics courses and career options, and 2. Proving positive feedback to students who have performed well in Econ 1. Since our enrollment levels in Econ 1 are high (about 2000 students per year) the latter intervention will be randomized so that we can test whether this intervention (or “nudge”) is differentially effective for men or women.

Our objective is to explore the extent to which positive departmental feedback about performance after the first principles course changes the propensity of men and women to continue on the second principles course and ultimately to major status. More specifically, does reinforcing with students that they scored well in Economics 1 and asking if they have ever considered economics as a major increase enrollment in subsequent courses? And, does it ultimately increase the probability that students (and particularly female students) choose one of the economics majors?

**BEDARD, KELLY, Principal Investigator**  
**ROSSIN-SLATER, MAYA, Co-Principal Investigator**

The Economic and Social Impacts of California's Paid Family Leave Program  
California Employment Development Department  
M6102380/UCSB 20160861                      04/16/16 – 08/31/16                      \$149,471

The Employment Development Department (EDD) is seeking to obtain a quantifiable and qualitative research study of Paid Family Leave (PFL), which addresses a wide range of economic and social outcomes. California's PFL has been in place for more than a decade. This makes economic and social impact research valuable to current PFL implementation policy discussions across the nation, both locally and federally. We are entering into this Interagency Agreement pursuant to the U.S. Department of Labor, Office of the Secretary, Women's Bureau Paid Leave Analysis grant.

Many data elements are available via the Departments historical and current databases. Additionally there's 10 years research done by academic and national researchers. Various researchers have collected and published related data of interest; if accumulated, analyzed and properly segmented would be of enormous value to expanding our current understanding of how impactful affording Californians Paid Family Leave has been. The data would assist in drawing related correlations between States that offer paid family leave and those that do not. The results will allow the department to provide data that either supports or cautions recommended changes to current legislation related to PFL.

**BELTZ, GLENN, Principal Investigator**  
**CASTELLANOS, MARIO, Co-Principal Investigator**

UCSB 2016-2017 MESA Engineering Program (MEP)  
UC Office of the President: UC MESA  
14-MEP-09/UCSB20170767                      07/01/14 – 06/30/17                      \$10,000

The MESA Engineering Program (MEP) at UCSB strives to provide guidance, leadership, mentorship, research and job skills, and professional training for MEP students to succeed academically, socially, and professionally. Our ultimate goal is for MEP students to become active alumni, having successfully navigated through a baccalaureate degree (or graduate degree), connecting with corporate and alumni mentors, and starting a STEM career. With academic demands, ever-increasing competition and changes in the workforce (including impacted fields), families face major obstacles in supporting their students to pursue and attain college degrees, particularly in time-intensive STEM fields.

**BELTZ, GLENN, Principal Investigator**  
**CASTELLANOS, MARIO, Co-Principal Investigator**

UCSB 2015-2016 MESA MSP Schools Program  
UC Office of the President: UC MESA  
14-MSP-17/UCSB 20161122                      07/01/16 – 06/30/17                      \$180,000

UCSB's MESA vision is to promote inclusive and adaptive initiatives and strategic collaborations and partnerships with university, school, community, industry, and

educationally supportive programs so that more educationally underserved students are inspired to pursue, persist, and achieve math, science and engineering qualifications and careers. The UCSB MESA programs continue to evolve in response to and collaboration with education policies, school districts, school site administrators, advisors, MESA segmental partners, and other partnering programs. UCSB MESA remains a prominent and popular program and partner, in tune with the increasing demands for academically prepared and college-oriented students (particularly in STEM fields). Overcoming challenges, UCSB MESA has adapted and succeeded for more than 35 years.

UCSB'S MESA strategic three-year goals for 2014-2017 will be to (1) Recruit, retain, and advance targeted MESA students to be motivated, informed, experienced, academically prepared, confident, and deliberate in their successful pursuit of a STEM college degree and profession; (2) Challenge and involve students in pursuing STEM careers that are intellectually, culturally and ethically fulfilling. Through increased involvement, commitment and momentum, student's academic and career pursuits will become noticeable worthwhile investments of themselves, their families, and their communities – hence, escalating support for current and future MESA student; (3) Challenge and support MESA Advisors to invest in students' STEM success to an extent that enhances their own learning, classroom teaching, peer influence, commitment to education, and MESA advisorship; and (4) Inspire and sustain parents who, as STEM Career-and-College Advocates, are informed, resourceful, and committed education consumers for their children, family and community.

This renewal program's mission is to create opportunities for educationally disadvantaged students, especially those from groups with low participation rates in college, to prepare for and enter professions requiring degrees in engineering and other mathematics-based scientific fields.

**BELTZ, GLENN, Principal Investigator**  
**CASTELLANOS, MARIO, Co-Principal Investigator**

Google Cascade the Code – MSP Center

UC Office of the President: UC MESA

17-TIDES-MESA-MSP-UCSB/

UCSB 20171129

01/01/16 – 05/31/17

\$800

Increasing our MSP student's exposure to coding related activities began in 2016 by introducing Arduino based activities at our middle, junior high, and high schools. At the MESA Day Prelims at UCSB (S&T MESA Day) on February 27, 2016 students competed in the Oracle Greenfoot Project Challenge and ALICE activities were also introduced. These activities and competitions allowed our students to learn and practice programming in a fun way with real world applications. Additionally, at the 2016 MESA Prelims, MEP students and alumni teamed up to offer three amazing computer science workshops:

1. Towers of Hanoi – This was an unplugged recursion practice activity.
2. My Robotic Friend – This was an analog version of coding where students created a set of commands for a robot to carry out in a specific order.

3. Sudo: Make Me a Sandwich – This activity had the same principles of My Robotic Friend but students developed commands for a robot to make a sandwich.

At the 2016 MESA Regionals competition, held at CSU Fresno on April 9, 2016, UCSB MEP students and staff led workshops focused on computer science activities in both a computer lab and in an unplugged version. Our MESA Advisors were excited by our increased focus on computer science, made possible by this Google award, as they felt this is an area that their students needed extra support. The activities provided in 2016 have helped to increase our students’ programming knowledge and ability by allowing them to program robots or Arduinos to do a variety of interesting tasks, which makes learning programming fun and hands-on. Our MEP students have been crucial in this increased computer science effort. Their mentorship of students and working with them on programming related projects and competitions has been valuable for both the MEP undergraduates, who gain mentorship experience, and the MSP students, who get to work with near-peer mentors. The successes of 2016 have informed the activities proposed for 2017.

The focus for 2017 has been to increase MSP student’s computer science exposure further by providing computer science related activities during the MESA class periods, MESA club, and MESA afterschool programs. Students recently submitted their game design projects using ALICE or Greenfoot for the 2017 MESA Statewide Virtual Computer Science Contest. The theme of our 2017 MESA Prelims at UCSB (S&T MESA Day) on March 4, 2017 is: “Reprogram the World” and will have new computer science related workshops. The following computer science related workshops will be provided:

1. Cracking the Code – Students will learn about cryptography directly from UCSB computer science professor, Stefano Tessaro and participate in a small code-breaking contest.
2. Program Your Life – Students will learn the basic concepts of programming to solve a problem.
3. Python Turtle Graphics – Students will learn the basics of Python programming and use it to create fun graphics.

**BELTZ, GLENN, Principal Investigator**  
**CASTELLANOS, MARIO, Co-Principal Investigator**

Google Cascade the Code – MEP Center

UC Office of the President: UC MESA

17-TIDES-MESA-MEP-UCSB/

UCSB 20171127

01/01/16 – 05/31/17

\$6,892

Our MEP students provide crucial mentorship for our MSP students and aid in increasing their exposure to coding related activities. Our computer science related activities began in 2016 by introducing Arduino based activities at our middle, junior high, and high schools. At the MESA Day Prelims at UCSB (S&T MESA Day) on February 27, 2016 students competed in the Oracle Greenfoot Project Challenge and ALICE activities were also introduced. These activities and competitions allowed our students to learn and practice

programming in a fun way with real world applications. Additionally, at the 2016 MESA Prelims, MEP students and alumni teamed up to offer three amazing computer science workshops:

1. Towers of Hanoi – This was an unplugged recursion practice activity.
2. My Robotic Friend – This was an analog version of coding where students created a set of commands for a robot to carry out in a specific order.
3. Sudo: Make Me a Sandwich – This activity had the same principles of My Robotic Friend but students developed commands for a robot to make a sandwich.

At the 2016 MESA Regionals competition, held at CSU Fresno on April 9, 2016, UCSB MEP students and staff led workshops focused on computer science activities in both a computer lab and in an unplugged version. Our MESA Advisors were excited by our increased focus on computer science, made possible by this Google award, as they felt this is an area that their students needed extra support. The activities provided in 2016 have helped to increase our students' programming knowledge and ability by allowing them to program robots or Arduinos to do a variety of interesting tasks, which makes learning programming fun and hands-on. Our MEP students have been crucial in this increased computer science effort. Their mentorship of students and working with them on programming related projects and competitions has been valuable for both the MEP undergraduates, who gain mentorship experience, and the MSP students, who get to work with near-peer mentors. The successes of 2016 have informed the activities proposed for 2017.

The focus for 2017 has been to increase MSP student's computer science exposure further by providing computer science related activities during the MESA class periods, MESA club, and MESA afterschool programs. Students recently submitted their game design projects using ALICE or Greenfoot for the 2017 MESA Statewide Virtual Computer Science Contest. The theme of our 2017 MESA Prelims at UCSB (S&T MESA Day) on March 4, 2017 is: "Reprogram the World" and will have new computer science related workshops. The following computer science related workshops will be provided:

1. Cracking the Code – Students will learn about cryptography directly from UCSB computer science professor, Stefano Tessaro and participate in a small code-breaking contest.
2. Program Your Life – Students will learn the basic concepts of programming to solve a problem.
3. Python Turtle Graphics – Students will learn the basics of Python programming and use it to create fun graphics.

At the MESA Regionals, held at UC Santa Cruz on April 22, 2017, MESA staff and MEP students will host a workshop that combines Makey Makey kits with Scratch to learn about the binary concept of code in a hands-on way. Another activity will utilize Makey Makey kits to create interesting programmable items, such as a piano using bananas. Finally, for the remainder of the 2017 academic year MEP students, along with our MESA Coordinators, will visit our school sites to do computer science activities, utilizing the



Makey Makey kits, which will give our MSP students more time to connect with our MEP students.

**BLANKHOLM, JOSEPH, Principal Investigator**

Group Formation Among Nonbelievers and the Restructuring of American Religion

UCSB: ISBER Social Science Research Grant Program (SSRGP)

SS18BJ

07/01/16 – 06/30/17

\$7,942

Funds will support undergraduate and graduate research assistants who can aid in validating a dataset I am creating that includes all of the more than 1,400 local nonbeliever groups in the United States. This dataset is an updated version of a first of its kind dataset that I built with a colleague in 2012. He and I have coauthored an article based on the first iteration (García and Blankholm 2016), which is forthcoming in the Journal for the Scientific Study of Religion, the leading journal in the sociology of religion. Revalidating all of the entries in our dataset, systematically searching for new groups, and recording valid contact information for every group will allow us to pursue two directions for analysis and future research. First, we will have longitudinal data, which we will combine with county level data from other sources to write an article on the social contexts in which local nonbeliever communities form, grow, and decline. Second, valid contact information will enable us to launch Qualtrics based online survey targeting every nonbeliever group in the United States, the results of which will help us answer a range of previously unanswerable questions concerning organized nonbelievers and give us more reliable data for testing hypotheses about the causes of group and identity formation. The survey data will also strengthen the monograph I am writing based on my ethnographic dissertation research. This grant from ISBER will enable me to complete the database at least ten months sooner than currently scheduled by supporting research assistants who can do the timeconsuming tasks of revalidating entries, searching for new groups, and collecting contact information. It would also allow me to focus more time on revising my dissertation into a monograph and writing up other research.

**BORIS, EILEEN, Principal Investigator**

Carework: Beyond the Dichotomy of Public and Private

UCLA Institute for Research on Labor & Employment

BEIRLE

01/04/16 – 06/30/17

\$15,000

A vast for-profit care industry has grown in the United States fueled by state monies. These agencies act as middlemen sending home aides and personnel attendants into private households. Simultaneously, domestic work has returned with the enhanced labor force participation of middle and professional class mothers in heterosexual families. Immigrant women of color and African Americans disproportionately staff these care jobs, which continued their rapid growth even with the Great Recession. Still home care and domestic work remained among the poorest paid occupations, with large segments of these workforces excluded from labor protections and the right to organize.

While domestic worker associations in New York, California, Massachusetts, and elsewhere win “bill of rights” (DWBOR), the subject of a previous funded report, unionized home care

workers see their right to organize and inclusion in labor law blocked or undermined. “Health” franchise agencies challenged the 2013 Obama administration’s change in the “companionship exemption” that in 1975 wrote home aides out of the nation’s wage and hour law at the moment when most domestic workers gained coverage. The DC Court of Appeals sided with the Department of Labor last August. However, as of this writing, the franchisers have asked the Supreme Court to stay implementation pending an appeal to the Court for reversal. The most recent bouts over the companionship rule followed the Supreme Court’s June 2014 undermining of the basis of home care organizing in the public sector: In *Harris v. Quinn*, it found that personal attendants paid by the state of Illinois were not real public employees, and thus could not be required to pay a fee for representation by a labor union that engaged in collective bargaining, essentially establishing a precedent to create a national “right to work” regime for public employees, and calling into question the legal basis of the public authority established in California as the “employer of record” for independent providers hired by families under the state’s In-Home Supportive Services (IHSS) program. Additionally, California’s DWBOR and sick day law currently exclude IHSS workers.

Taking off from Boris’ previous research into the historical relationship between domestic work and home care, this project investigates the paradox of our contemporary moment: a carework economy, in which commodified social reproduction is essential to the maintenance of capital as well as people, has brought care workers and cleaners together in a shared sector, but law and social policy pulls them apart based on their relationship to the private and public organization of care. Workers and their organizations have responded by creating vibrant coalitions, as seen in the March 2015 “Justice for Home Care Tribunal” in Sacramento (where Boris gave testimony at a mock trial against the state for refusing to pay overtime), but we still lack a robust portrait of the similarities and differences between home care and other kinds of domestic workers, especially state-funded home care workers represented by unions and elder care workers belonging to domestic worker and ethnic associations—who may be from the same neighborhoods, families, or ethnic groups or even the same people who move from one part of the carework economy to another. Indeed, the home care worker has one foot in the care sector and another in the larger service society, as the participation of Service Employee Industrial Union (SEIU) members in the “Fight for \$15” underscores.

This project further builds upon what we know about conditions of work among unionized IHSS workers by first updating the state of those workers and then comparing them to other providing elder care. Only California residents with a Medi-Cal eligibility qualify for IHSS. Those who do not qualify for Medi-Cal and who are unable to rely solely on relatives seek aides and attendants through private home health care franchises or through informal networks that allow them to tap into a labor market outside of regulation or enumeration, what some scholars refer to as the shadow economy. They engage in direct payment of workers, no matter the source of their funding. With IHSS, states, counties, public authorities, and unions maintain lists of consumers and workers, allowing researchers to sample the experiences of both the receivers and providers of elder care in a systematic manner. But we lack comparable studies of direct-pay workforces, which are as scattered as the people with disabilities and elderly people they serve. The conditions of this work—

such as hours, compensation, tasks performed, occupational risks, training, and relationships with consumers/clients—are difficult to ascertain.

**BORIS, EILEEN, Principal Investigator**

Carework: Beyond the Dichotomy of Public and Private

UCSB: ISBER Social Science Research Grant Program (SSRGP)

SS18BE

07/01/16 – 06/30/17

\$7,907

Extending my previous research into the historical relationship between domestic work and home care, this project investigates the paradox of our contemporary moment: a carework economy, in which commodified social reproduction is essential to the maintenance of capital as well as people, has brought care workers and cleaners together in a shared sector, but law and social policy pulls them apart based on their relationship to the private and public organization of care. This project further builds upon what we know about conditions of work among unionized IHSS workers by first updating the state of those workers and then comparing them to others providing elder care either through private agencies or hired directly by households, and then comparing them to conditions in the “private” sector through a survey and focus groups of elder care workers belonging to various associations affiliated with the National Domestic Worker Alliance and the California Domestic Worker Coalition. It turns to participatory action research to circumvent some of the problems inherent in reaching a low-waged, predominantly women of color and often immigrant workforce in an informal sector of the economy by partner within ethnic and occupational associations composed of such workers and their friends, families, and co-ethnics. This project may be labeled as public sociology or an example of feminist studies civic engagement, but it seeks to end a gap in our knowledge about care workers not paid directly by the state, that is, those who work for households or private agencies in the “private” sphere.

**BROWN, MICHELLE, Principal Investigator**

Measuring the Effects of Feeding Competition at Multiple Scales in a Frugivorous Primate Community

American Association of Physical Anthropologists

SB160145/UCSB 20161112

06/15/16 – 06/14/17

\$5,000

This project builds on the findings of my postdoctoral research on energetics and competition. It is an analysis of the relative strength of within-group, between-group, and between-species feeding competition on patterns of energy skew in a frugivorous guild of primates. I hope to change the way we measure the effects of competition – no longer settling for crude proxies such as dominance hierarchies and aggressive frequencies, but with a focus on the very currency of fitness, which is energy. Moreover, certain forms of competition are expected to promote tolerance and cooperation among individuals; by testing these predictions and identifying the contexts that are most conducive to cooperation, I hope to shed light on possible evolutionary scenarios that may have given rise to human-like patterns of teamwork and collaboration.

**BUCHOLTZ, MARY, Principal Investigator**

Language in Latino Lives on California's Central Coast

UC Humanities Research Institute

SB160166/UCSB20161163

07/01/16 – 06/30/17

\$32,500

The proposed project is a collaborative humanistic investigation of the rapidly changing linguistic practices of Latino communities on California’s Central Coast, a crucial issue given the deep cultural meaning and social impact of such practices. The project builds on an existing community partnership program at UCSB, School Kids Investigating Language in Life and Society (SKILLS), which fosters college preparation and research experience among first-generation college-bound Latino high school students in public schools and community programs in the Santa Barbara region. Teams of graduate students, assisted by undergraduates, will collaborate with high school students to conduct original research on language use and change in local Latino communities. In addition to academic venues, the research will be shared with the community through a series of innovative multilingual multimedia events at local libraries and schools, including youth research presentations, research slams, and research poster exhibits, all of which will also be documented online.

**BUCHOLTZ, MARY, Principal Investigator**

Language in Latino Lives on California's Central Coast

UCSB Academic Senate

BMPECH

07/01/15 – 06/30/17

\$7,500

The proposed project is a collaborative humanistic investigation of the rapidly changing linguistic practices of Latino communities on California’s Central Coast, a crucial issue given the deep cultural meaning and social impact of such practices. The project builds on an existing community partnership program at UCSB, School Kids Investigating Language in Life and Society (SKILLS), which fosters college preparation and research experience among first-generation college-bound Latino high school students in public schools and community programs in the Santa Barbara region. Teams of graduate students, assisted by undergraduates, will collaborate with high school students to conduct original research on language use and change in local Latino communities. In addition to academic venues, the research will be shared with the community through a series of innovative multilingual multimedia events at local libraries and schools, including youth research presentations, research slams, and research poster exhibits, all of which will also be documented online.

**BUCHOLTZ, MARY, Principal Investigator**

**LOVE-NICHOLS, JESSICA, Co-Principal Investigator**

Orgullosamente Indígena: Creating Sociolinguistic Justice through Collaborative Activism

UC Mexus

SB170050/UCSB 20170262

10/01/16 – 03/31/17

\$1,480

Fifty miles south of the UC Santa Barbara campus is a community of almost 20,000 indigenous migrants from Southern Mexico, many of whom who are legally, economically, and linguistically marginalized. In 2016, as part of a UCSB-sponsored linguistics outreach program, two co-teachers and I taught a five-month-long college level inquiry-based sociolinguistics course to the Tequio youth group at the Mixteco Indígena Community

Organizing Project (MICOP) in Oxnard, California. At the end of the course, students and researchers created a preliminary documentary focused on students' experiences speaking diasporic varieties of Mixtec and Zapotec, which showcased the key role that language plays in many institutional obstacles that affect indigenous communities. The preliminary film, entitled *Orgullosamente Indígena*, received extremely positive results, spurring the decision to build on that success by creating a longer, more polished video for dissemination to a wider audience. The proposed research project, which will consist of collaborative filmmaking, participant observation, and ethnographic interviews, aims to analyze the potential of artistic and social activism as a site for the creation of sociolinguistic justice.

**BUNTAINE, MARK, Principal Investigator**

Harnessing the Crowd to Improve Accountability for the Delivery of Public Services

College of William and Mary

740681-T/UCSB 20161397

08/02/16 – 08/31/17

\$125,000

This project aims to generate reliable evidence about the provision, quality, and impact of citizen monitoring of public services via mobile phones. International development organizations fund projects around the world aimed at improving public services. As part of these projects, donors increasingly seek to leverage ubiquitous mobile technologies to engage beneficiaries in monitoring success at lower costs and with the potential to generate more useful data (Bertot et al. 2010 ; Rotberg & Aker 2013). Unfortunately, existing research — which tends to be conceptual or descriptive — has provided little guidance about whether mobile phones can facilitate regular, high quality, and useful feedback about the quality of public services and the success of donor projects. We propose to conduct an experimental study on citizen monitoring of solid waste services that is uniquely suited to answer foundational questions about spatial citizen reported data. Because solid waste services are visible, we can verify the quality and timeliness of reports. We can also assess how citizen monitoring affects service delivery over time. Our work plan is intended to answer the following questions:

Question 1 (Provision): Under what conditions will citizens voluntarily report information about public services? Some research has addressed volunteers' motivations to provide information online. A different literature targets citizens' inclinations to monitor governments and international organizations in traditional ways. Little research brings these literatures together to test how different incentives or recruitment methods drive participation in citizen monitoring.

Question 2 (Quality): Under what conditions will information reported by citizens be timely, accurate, and frequent? Not much is known about the accuracy of information submitted by dispersed monitors or how different recruitment mechanisms influence the quality of information. It is not clear that information provided by citizen monitors provides a representative sample of citizen demands or factual observations about the state of public services. For governments and donor organizations, the questionable accuracy and reliability of data dampens its usefulness. Few benchmarks exist against

which officials might measure the accuracy, timeliness, frequency, and representativeness of information gathered from citizens.

Question 3 (Impact): Under what conditions will public services improve in response to citizen monitoring? Because public agencies do not have ways to assess whether citizen monitoring is accurate or representative, it is difficult to make plans, enforce contracts, and evaluate services on the basis of such data. For donor organizations, it is difficult to know whether the reforms and improvements they promote might be made more sustainable by building citizen monitoring arrangements into projects.

Our study addresses these questions with a randomized control trial of citizen monitoring of solid waste services via mobile phones in Kampala, Uganda. Solid waste plagues Kampala, with a minority of waste produced in the city entering the formal waste stream (Kinobe et al. 2015). International development organizations have recognized this critical issue and have provided years of support to upgrade services. In 2007, for example, the World Bank approved the \$37 million Kampala Institutional and Infrastructure Development Project. This project, which was active until 2013, aimed to fundamentally transform the delivery of solid waste services by increasing the role of the private sector in collecting and processing waste across the city (World Bank 2007). Unfortunately, the completion report for this project shows that resident satisfaction in solid waste services has not increased (World Bank 2014). The World Bank is now planning follow-up projects aimed at improving the responsiveness of the Kampala Capital City Authority to citizen concerns. In planning these types of efforts, development organizations have little access to evidence based guidance about building platforms for real-time, spatially-explicit feedback that can be used to improve the impacts of projects.

**BUNTAINE, MARK, Principal Investigator**

Does Transparency Mobilize Citizens and Decrease Corruption? A Field Experiment with Revenue-Sharing Funds in Bwindi National Park

UCSB: ISBER Social Science Research Grant Program (SSRGP)

SS17BU

07/01/15 – 06/30/17

\$7,924

This research will test whether transparency causes better governance. Although transparency is widely assumed to improve the outcomes of government administration, a strong test of this causal relationship has not been possible. Based on a unique partnership with the Uganda Wildlife Authority, we will complete a field experiment and vary transparency about revenue-sharing funds derived from national park gate fees. In particular, our team will randomly assign some villages receiving revenue-sharing funds to have residents receive repeated notices about the disbursements and implementation status of village-level projects on mobile phones. We will measure whether residents in treatment villages are more likely to participate in park management and to monitor village projects, whether fewer funds are lost to corruption in treatment villages, and whether encroachment into the park decreases near treatment villages. We have already launched the pilot effort for this project. The requested ISBER seed funding is for research assistance with initial data and for a follow-up trip to Uganda to plan a larger, externally-

funded project that tests the impact of transparency and participation across the national parks system.

**BUNTAINE, MARK, Principal Investigator**

Repairing Information Underload: The Effects on Vote Choice of Information Regarding Politician Performance & Public Goods in Uganda

UC Berkeley

0009002/UCSB 20160140

06/01/15 – 01/15/17

\$250,000

This project proposes a two-arm randomized control trial in Uganda to learn how information about the audited budget performance of politicians and their provision of public services affects candidate support, political participation, and vote choice. The study will focus on the March 2016 elections for local sub-county (LC III) and district (LC V) chairs and councilors. We will use a full-factorial design to learn about the independent and cumulative effects of the different types of information on citizen attitudes and political behavior.

**BUNTAINE, MARK, Principal Investigator**

Expanding the Reach of MERL

University of Notre Dame

202809UCSB/UCSB20160931

05/17/16 – 09/30/17

\$73,564

Activity 1: Develop explanatory materials and reach out to USAID missions and operating units. To aid the selection of projects for evaluation, our team will contribute to consortium efforts to develop explanatory materials that guide USAID staff in identifying interventions for which long-term impact evaluation is likely to be both feasible and useful. These materials will help USAID staff to assess whether key information, including project specific data are available and documented to permit long-term impact evaluation. Our team in particular will compile a list of sectors and project types where geospatial impact evaluation can be usefully applied to estimate the long-term impacts of programming.

Activity 2: Reach out to USAID missions and operating units. In collaboration with consortium members, we will reach out to appropriate USAID missions and bureaus to engage them in the concept and stimulate demand. We believe that this concept is relevant to both these units, so materials will be designed for both. To facilitate broader learning across regions or sectors, the consortium members recommend targeting DC-based bureaus or regional missions, possibly focusing on Monitoring and Evaluation officers with relevant expertise. We have included a travel budget to accomplish this outreach effort.

Activity 3: Solicit project ideas from USAID units and determine which meet eligibility criteria, and whether appropriate data for the treatment group and a suitable control can be collected. We will work with consortium members to solicit concept notes or proposals from USAID operating units. We will collaboratively identify projects with theories of change that credibly predict sizable impacts several years after the intervention has ended, as well as those with a clear identification of the beneficiary group, either through geographic boundaries or a list of beneficiary groups or individuals. We will contribute

expertise on geospatial impact evaluation to the consortium for the selection of pilot projects for the next phase of this program. In particular, we will review available geospatial data from candidate impact evaluations to assess the viability of conducting long-term evaluations.

Activity 4: Identify local partners to participate in pilot projects. We will work with consortium members and USAID missions/bureaus to identify and recruit local organizations, contractors and individuals and other key actors that implemented or participated in candidate pilot projects. This activity will help us gain depth in local and topical expertise about the project, as well as to obtain a more detailed account of each project's goals, activities, successes and failures. It will also help us with the search of relevant data about the projects. Finally these organizations are well positioned to help us make our future recommendations more context specific.

**BUNTAINE, MARK, Principal Investigator**

Collaborative Research: An Experimental Test of the Impacts of Transparency by Government

National Science Foundation

1655459/UCSB20170106

04/01/17 – 03/31/20

\$48,090

This research project tests whether transparency by government leads to beneficial outcomes such as better performance by government, more engagement from citizens in public life, and improved trust in government. These kinds of outcomes are the reasons why so many countries, including the United States, have embraced transparency by government. Yet, there is not much direct evidence that transparency efforts by governments produce the noted results. The project uses a randomized field experiment to test whether transparency by a government agency affects citizen support for government and improves the administration of public funds. Data on these outcomes is used to statistically test for the effects of government-led transparency at individual and community levels.

**CASILLAS, DOLORES INÉS, Principal Investigator**

Do-It-Yourself Spanish: An Analysis of Media Interventions in Language Learning

UCSB: Academic Senate

CDACAI

06/01/13 – 08/31/16

\$5,131

A host of language learning media tools explicitly market themselves as necessities for the “new” global economy, often correlating bilingualism with economic opportunities. Ironically, while bilingual education holds a precarious existence in several states’ public schools, private companies have lucratively capitalized by offering a host of language learning options to adults. Computer software, specialized courses, DVD sets and pocket texts are designed to teach a second language, help erase or gain native “accents,” and/or learn shorthand phrases. Indeed, interest in learning the languages of Spanish and English have spurred two of the fastest growing companies: Rosetta Stone and Ingles Sin Barreras. Both companies are also routinely referenced within English and Spanish-language popular culture, evident of their effective branding on television (infomercials, commercials) and



visibility in marketplaces (e.g., flea markets for Ingles Sin Barreras, airports for Rosetta Stone). This market has burgeoned since the early 1990s, in tandem with public sentiments and debates over the place of immigrants and English-Only propositions.

This project aims to document how language learning has largely shifted from school sites to popular, at-home, and at times, social sites of media. Specifically this project uses the recent post 1990s success of Rosetta Stone and Ingles Sin Barreras to: a) compare and analyze their media market campaigns, b) Investigate how their learning methods are framed (“Do-It-Yourself” and “in the privacy of your home”), and c) investigate the motivations behind consumer’s interests in Spanish or English. Broader considerations such as shifts in workplace economies, attitudes towards immigrants and travel, as well as other facets of the larger economic and political motivations behind second language learning acquisition guide this project. Preliminary research and analysis done on their media campaigns of 2010 and 2012 indicate that both companies use overt discourses of “opportunity” steeped in issues of race, class, and place (travel, migrate) to pitch learning Spanish (Rosetta Stone) and learning English (Ingles Sin Barreras).

**CASTELLANOS, MARIO, Co-Principal Investigator**

**BELTZ, GLENN, Principal Investigator**

Engineering is for Women: Building Excitement, Sustaining Enthusiasm

Engineering Information Foundation

EiF14.07/UCSB 20150240

12/01/14 – 01/31/17

\$15,141

Women have made great strides in many STEM fields in the past several decades. However, that progress has not been even across fields, and women remain seriously under-represented in engineering fields. While women in fields in the biological sciences, for example, were about 48% of the work force in 2013, in Engineering fields, women made up only 13% of the work force. That is a significant increase over the less than 1% of women engineers in 1960, but there is much room for growth. In fact, not only is there room for growth, the number of women studying in the fields of engineering has plateaued. This suggests that we need to do more to encourage women and reduce obstacles to engineering careers.

Several studies have found important factors that discourage women from pursuing engineering degrees. For young girls, some of the most significant obstacles are stereotypes that negatively impact girls’ aspirations (such that women are not as good at math and science-oriented subjects—especially physical science—as are men, and that women who are good in these subjects are less likeable, less attractive than other women), and poor self-assessment and unrealistic high standards regarding their math abilities. These problems can be particularly acute for the low-income students whose parents do not have college degrees. These students tend not to have clear understanding of what an engineering career entails, have not yet learned how exciting and socially productive engineering can be (which is particularly important to females), and they lack role models who can combat the stereotypes and provide inspiration and guidance.

The University of California Santa Barbara's (UCSB) Mathematics, Science, Engineering Achievement (MESA) program, in collaboration with UCSB's Women in Science and Engineering (WiSE) and the Santa Barbara Chapter of the Society for Hispanic Engineers (SHPE), proposes a pilot program to help mitigate this problem by providing specialized, year-long outreach to low-income, first-generation, college-bound middle school girls. The program goals are to: 1) Inspire participants to aspire to engineering careers; 2) Counter negative stereotypes that inhibit girls from pursuing engineering careers; 3) Promote a "growth mindset" that will help participants to succeed academically and persevere on an engineering career path; and 4) Increase family support that will provide help and encouragement throughout their schooling and college preparation into careers.

**CASTELLANOS, MARIO, Principal Investigator**

**LUCAS, GLENN, Co-Principal Investigator**

Ascension: Articulating STEM Cooperatives to Enhance Needs, Success, Integration, Outcomes and Networking

Ventura County Community College District

P031C110025/UCSB 20111196                      10/01/11 – 09/30/16                      \$1,076,961

UCSB Office of Academic Preparation (OAP), specified herein, will work collaboratively with Oxnard College, and other partner institutions, to support the goals of the HSI-STEM grant to facilitate increased student success in high school and increased participation among Hispanic/Latino students in higher education.

**CHAVEZ-GARCIA, MIROSLAVA, Principal Investigator**

**BERMUDEZ, ROSIE, Co-Principal Investigator**

Chicana Welfare Rights: Alicia Escalante and the East Los Angeles Welfare Rights Organization, 1967-1974

UC Mexus

SB170092/UCSB 20170274                      01/01/17 – 12/31/18                      \$11,966

Escalante's struggle for economic justice and human dignity articulated an activism and feminism rooted in the lived experience of poor women of color across, among, and within multiple constituencies and social movements. As my dissertation will demonstrate, this little known history forces us to rethink the gender, racial, and sexual politics of the social movements of the 1960s and 1970s and calls for space in the histories of the welfare rights, Chicana and Chicano, and feminist movements. The history of Escalante and the ELAWRO as well as the broader vision they articulated also force us to reconsider the activism that took place in the multiple social movements of the 1960s and 1970s. This reimagining and rearticulation is important in order to capture a more nuanced, complex, and accurate understanding of the legacy of these social movements for past, present, and future struggles of economic justice and human dignity. More than a history and an intervention that deepens our understanding of the complexity of the social movements that fought for civil, feminist, and human rights, this study is also a political biography of leadership that provides new insights historically and contemporarily.

**DUNBAR, NORAH, Principal Investigator**

EXP: Teaching Bias Mitigation through Training Games with Application in Credibility Attribution

National Science Foundation

1523083/UCSB 20150645

09/01/15 – 08/31/17

\$549,061

Humans rely on heuristics to assess other people on a daily basis. These assessments influence how people communicate and interact with one another. Heuristics are cognitive shortcuts acquired from existing beliefs and past experiences. Although heuristics allow people to make fast decisions with minimal effort, they inadvertently increase susceptibility to cognitive biases. Heuristics are difficult to overcome using traditional training techniques. However, game-based learning mechanisms may offer unique affordances that help meet these challenges.

Heuristics and cognitive biases affect virtually every judgment being made in daily life, including the ability to detect deception (Burgoon, Blair, & Strom, 2008). Recent meta-analyses have shown humans often perform no better than chance when attempting to distinguish truths from deception and that people tend to be over-confident in their own ability to detect deception (Bond & DePaulo, 2006; DePaulo et al., 1997). Even law enforcement officials with professional training perform no better than laypersons at detecting deception (Driskell, 2012). What’s more, humans are rarely aware of their own biases due to the “bias blind spot” (Pronin, 2007), which, along with a sense of over-confidence, makes people resistant to traditional training efforts aimed at changing decision-making processes, particularly when they involve heuristic processing (Driskell, 2012; Masip, Alonso, Garrido, & Herrero, 2009).

Although there is a vast literature documenting the existence of cognitive bias in decision-making, there are few studies verifying our ability to mitigate these biases (Silverman, 1992). Kahneman (2011) argues that cognitive biases are so natural and ingrained, overcoming them is extremely difficult. Thus, the prime objective of this project is to explore an innovative approach to using game-based learning to not only help make people aware of cognitive biases, but also reduce the reliance on simple heuristics.

This proposal asserts that the experiential environment afforded by game-based learning should be particularly effective at facilitating the introspection necessary for learners to actively experiment with more systematic decision-making techniques within an autonomy-supportive environment. A game called VERITAS (Veracity Education and Reactance Instruction through Technology and Applied Skills) is proposed which is designed to help players identify the heuristics typically used in credibility assessments, affording them the opportunity to mitigate their biased thinking. The design, development, and testing of VERITAS represents a two-year project to develop and experimentally test the effectiveness of a game-based training program targeting law enforcement officials.

**DUNBAR, NORAH, Principal Investigator**  
**METZGER, MIRIAM, Co-Principal Investigator**

SCAN: Socio-Cultural Adversarial Networks

University of Maryland

37919-Z8424101/UCSB 20171062 06/13/16 – 06/12/19

\$561,655

The University of California Santa Barbara (UCSB) is pleased to participate as a subcontractor to the University of Maryland in the above proposal. Specifically, UCSB will participate in the following tasks and will perform the work described below.

Task C1: UCSB will collaborate with the University of Arizona and the University of Maryland in designing a final version of the Modified Mafia Game. Specifically, UCSB will ensure that this game satisfies the requirements of high ecological validity, being non-threatening, eliciting behaviors of interest, leverage characteristics of successful games used in the past by the DoD, being engaging and motivating for participants, including knowable ground truth, providing opportunities for competing interests, ulterior motives, and secret deals, ensuring participation by all players, generating adequate behavioral samples for statistical validity, ensuring multimodal communication, being easily recordable, and having easy video-based instructions prior to the game. UCSB personnel will participate in holding the game at least 4 of the 6 sites where the game will be held.

Task C2: The University of Maryland will lead the effort on automated deception detection. UCSB will collaborate with Stanford University and the University of Arizona and the University of Maryland to ensure that Socio-Cultural Adversarial Networks extracted by Stanford are correct. Specifically, UCSB will collaborate with University of Arizona to help provide ground truth on like-dislike, dominance-deference, and trust relationships in the game envisaged in Thrust 1 of the proposal. They will collaborate with Stanford University and the University of Arizona and the University of Maryland to test whether Dyadic Power Theory is validated in the context of different cultures, using the data gathered in Thrusts 1 and 2 of the proposal.

Task C3: UCSB will collaborate with the University of Maryland in gaining a better understanding of the behavioral cues that are predictive of deception. UCSB will collaborate with UA and UMD in testing social science theories such as inter-personal deception theory (IDT) and interaction adaptation theory (IAT) – and understanding if they are valid across all the cultures we study in Thrust 1 or just a few. UCSB will also collaborate with UA and UMD in testing algorithms designed by UMD to predict instances of deception. For this, UCSB and UA will collaborate in order to prepare ground truth data sets where deception occurs, using the data generated in Thrust 1.

Task C4: UCSB will participate in all team meetings, team teleconferences, and meetings with sponsors. UCSB personnel will also visit at least four overseas universities when the game envisaged in Thrust 1 of the proposal is conducted and agrees to give a 4-hour lecture on mutually agreeable topics of interest at this location. UCSB will also provide quarterly reports for submission to the sponsor.

**FORD, ANABEL, Principal Investigator**

Relationships between Ancient Maya Settlement and Soil Fertility and Drainage:

Developing Collaborative Research on Tropical Sustainability

UC Mexus

SB170093/UCSB 20170669

01/01/17 – 12/31/17

\$1,500

Archaeologists of the ancient Maya frequently begin with the premise that high populations in the Late Classic Maya lowlands were unsustainable. This assumes that settlement expansion, amply documented over 3000 years of occupation, occurred at the expense of forest cover. Further, soil systems assumed to be fragile were compromised by unsustainable subsistence and construction land-use strategies. Geographic analyses point to a strong relationship between soil fertility and ancient settlement patterns. We suggest that traditional Maya farming focuses on the same soil settings. This proposed collaborative meeting of minds brings two scholars together to discover how a collaboration can lead to new insights on tropical sustainability.

**FORD, ANABEL, Principal Investigator**

Exploring the Flora of the Maya Forest: Ancient and Contemporary

UC Mexus

SB170182/UCSB 20171202

06/01/17 – 05/31/18

\$1,500

This interdisciplinary proposal brings Ecosur botanists/palynologists together with archaeologist Anabel Ford to review the contemporary and ancient Maya forest. We will bring Gerald Islebe and Nuria Torrescano of EcoSur in Chetumal to the El Pilar field location in Cayo Belize to focus on land use and land cover in the Maya region. We will visit key locations where collaborative efforts are possible and assess the potential of the area's lagoons and ponds that to reveal the ancient forest cover of El Pilar. Ford's field site at El Pilar offers a new area of study to fill in gaps in the region. Islebe and Torrescano have the foundation of pollen and botany of the Maya forest and the research agenda that links to the proposed collaboration. We envision developing a comparative study of the local El Pilar area with the growing data from the greater Maya region.

**FORD, ANABEL, Principal Investigator**

Classic Maya Cities in the UCSB Maya Forest GIS: Creating Access to Region, Local, and Site

Scale Data for Comparative Research on the Middle Ages in the Wider World

UC Berkeley

MRI-17-441233/UCSB20171157

06/01/17 – 10/01/17

\$9,170

To bring the Middle Ages into a worldwide perspective, we need to identify the primary comparison information. The timeline is essential, but we also need the fundamentals of place of the shared global setting. Geography provides the spatial context of societies that are coeval across the centuries of 500-1500CE. Our proposal is to develop a foundational model within the Geographic Information System (GIS) to facilitate comparative studies of the Middle Ages that include societies of the Americas. We suggest this can be accomplished by focusing on an example Mesoamerican society: The Classic Maya Civilization from 600-1000CE (Ford and Nigh 2015; Macduff 2012; McKillop 2001; Sabloff

1990). We seek to create a GIS on the Maya Civilization and to make it available using Web-based GIS tools (ArcGIS 2017; ESRI 2017). Our vision is that the baseline can be used by anyone, providing an American context for the comparative study of the Middle Ages.

As digital data are becoming the norm and critical geographic data are moving into the realm of GIS, we believe that the historical geography of the Middle Ages must also move into the digital age. Our proposed GIS will integrate geographic data on geology, soils, rivers, and topography as well as modern features of roads and cities with the ancient Maya sites and settlements from a cross scale perspective essential for comparisons. We will define scale, establish data organization and naming conventions, and identify data storage and preservation strategies that must be used to make the Maya forest GIS accessible and useful to a wide audience.

This proposal will take digital data from the Maya forest GIS and convert it into the ArcGIS Geodatabase format for sharing as a universally accessible data model. In doing so, we will detail file organization, prepare documentation that describe spatial and non-spatial data, standardize file naming conventions, and provide source credits and accuracy reporting (FGDC 2017; Base and Few 2005; ArcGIS 2017). We will work with Tom Brittnacher, UCSB Library Geospatial Data Curator, who will ensure the integrity of our process and procedures.

Our team will identify files at the regional, local, and site scales for the new accessible Maya Forest GIS. Data will contain geographic map layers, attribute data, imagery, and sites relevant to the temporal period of the Middle Ages and will be organized and documented for ease of access following the Federal Geographic Data Committee and Open Geospatial Consortium metadata standards for spatial information. To promote the use of the data we will create a StoryMap using ArcGIS online, a software platform for creating interactive information graphics that follow a narrative, highly suitable for introducing the data and its variety to new users.

The dates for the Middle Ages occurred around the world, location is a geographical point. By using ArcGIS-Online, we will be able to publish our maps and analyzed data. These data can be shared and the information and website administered for group involvement. We will contribute historical data to ArcGIS-Online Living Atlas with the digital data from the Maya Forest GIS. The ArcGIS-Online tool can illustrate spatial-temporal data and will be a great asset for comparative research projects of the Middle Ages and beyond.

**GAMBLE, LYNN, Principal Investigator**

Historic Preservation Fund Grant

State of California, Department of the Interior (Renewal)

C8957513/UCSB 20160263

10/27/15 – 09/30/16

\$9,000

The State Historic Preservation Officer (“the SHPO”) is required under federal and state law, and as a condition of receiving federal grant funds from the National Park Service, to maintain a statewide inventory of historical resources, and to provide historical resource management education and assistance to federal, state, and local entities.

The Regents of UC Santa Barbara (“the IC Host”) hosts the Central Coast Information Center (“the CCOIC”), one of ten Information Centers (“ICs”) that are part of the California Historical Resources Information System (“the CHRIS”). The CHRIS, under the authority of the SHPO, supports the fulfillment of SHPO obligations by 1) gathering, managing, and providing access to the statewide inventory of historical resources (“the CHRIS Inventory”); 2) providing guidance in the use and interpretation of historical resources information; and 3) providing broad public education in support of cultural heritage preservation.

**GAULIN, STEVEN, Principal Investigator**

**REID, SCOTT, Co-Principal Investigator**

Collaborative Research: Psychological and Behavioral Preparatory Responses to Male Aggressive Vocal Signaling

National Science Foundation

1551963/UCSB 20151448

07/01/16 – 06/30/19

\$111,612

Social psychological research has identified an array of individual-difference and situational factors that precipitate aggression. This work, however, has overlooked two key facts about the phenomenon. First, most physically-aggressive interactions are gradual, escalating from verbal disputes; and second, not all aggressive encounters lead to physical confrontation, since many end with one party choosing to withdraw before fights occur. How do individuals decide to escalate or retreat, and what is the role of vocal communication in this process?

Answering these questions will help elucidate the psychology underlying aggression and foster a better understanding of this important social phenomenon. Using an influential evolutionary model of animal behavior, the retaliation-cost model (RCM), the team will test American and Chinese men’s and women’s responses to human male aggressive vocal signaling. According to the RCM, aggressive signals can evolve because they enable rivals to assess their chances of winning--while avoiding many costly fights--by communicating aggressive intent (readiness to use physical force) via signal intensity. Signal intensity, in turn, corresponds to a signaler’s physical strength or resource valuation. Signal receivers will retreat if weaker or less motivated than their rival, but escalate when stronger or more motivated. Animals that fake intense signals would pay the costs of retaliation (being attacked) by stronger or more motivated signal receivers, and thus be disfavored by selection.

Previous research shows that men who speak with lower fundamental frequency (F0) are perceived to be more likely to win physical fights than men who speak with higher F0. Drawing on this finding and the RCM, the team hypothesizes that men--and presumably women, too--would: 1) attend to men’s F0 level as an aggressive-intent signal to assess a speaker’s likelihood of attack, 2) allocate more cognitive resources to low-F0 male voices to facilitate retaliation or retreat, and 3) respond more aggressively to low-F0 male voices when they are strong and cued for intense competition. These hypotheses will be tested in

three sets of experiments to be conducted in China, and in the U.S. with college students and active-duty police officers.

**GEHLBACH, HUNTER, Principal Investigator**

**GOTTFRIED, MICHAEL, Co-Principal Investigator**

Creating Birds of a Feather: Mitigating Inequality by Reducing the Achievement Gap

Laura and John Arnold Foundation

SB170033/UCSB 20161285

09/01/16 – 01/31/19

\$209,242

Disparities in educational attainment lie at the heart of inequality. Differential educational outcomes between students from different racial and cultural backgrounds cause inequitable employment opportunities and socio-economic outcomes. Likewise, inequitable job options lead to discrepancies in income and wealth, which in turn cause differential educational opportunities for the next generation. The proposed study employs an intervention to help disrupt this pernicious cycle of inequality. By using the psychological principle of similarity to improve teacher-student relationships (TSRs), we aim to improve the academic achievement for undergraduates and to close the achievement gap between minority students and first-generation students relative to their peers who are White or from families whose parents went to college.

**GEYER, ROLAND, Principal Investigator**

**STARTZ, RICHARD, Co-Principal Investigator**

Displaced Production Due to Reuse and Recycling: Theory Development and Case Studies

National Science Foundation

CBET-1335478/UCSB 20150321

08/15/13 – 07/31/17

\$328,741

The most significant environmental benefit of recycling and reuse is typically their potential to avoid or displace the production of equivalent materials and products from primary resources. This also means that lack of displacement would significantly reduce these environmental benefits. Unfortunately, the treatment of displacement in industrial ecology and life cycle assessment (LCA) is currently based on assumptions instead of scientific theory and evidence. The goal of this project is to advance dramatically our understanding of the causes, mechanisms and dynamics that govern displacement of primary production due to material recycling and product reuse. The project will achieve this by integrating pertinent economic concepts and methods into the analytical frameworks of industrial ecology and LCA. The resulting consequential analysis framework will use market models to determine the interaction between primary and secondary products and materials and thus estimate displacement. These models will account for supply and demand dynamics, competition between imperfect substitutes, and market growth and segmentation. The framework will be tested in several case studies. The case studies will include econometric analyses in order to determine pertinent economic parameters for key products and materials, and thus estimate actual displacement rates. The results from the proposed research will be used to develop recommendations for the treatment of displaced production due to reuse and recycling in LCA, product-based greenhouse gas accounting, and product category rules for type III eco-labels. It will also be



used to identify public and corporate reuse and recycling policies and incentives that foster and maximize displacement.

**GURVEN, MICHAEL D., Principal Investigator**

The Human Life Course and the Biodemography of Aging

NIH National Institute on Aging (renewal)

AG024119/UCSB 20141257

09/15/10 – 08/31/17

\$1,220,809

There are three overarching goals for the renewal: a) further document in detail the biology, epidemiology and behavior of aging among the Tsimane, a forager-horticultural society living in a pre-modern context, and how it changes with acculturation, utilizing further modern methodologies and individual longitudinal data; b) test the hypothesis that aging among the Tsimane is accelerated relative to people in developed nations due to the heavy burden of infectious disease and low energy balance; and c) evaluate a specific theory of human life history and aging developed by the PIs during the course of their research program.

To accomplish these goals, there are three specific aims of this competitive renewal. Aim 1 is to obtain longitudinal sampling of physical and cognitive function, energy production, morbidity, comorbidity, mortality, and social roles after age 40. Aim 2 is to determine rates of immunosenescence for both the acquired and innate arms of the immune system. Aim 3 is to determine rates of vascular, heart and kidney disease, and their associated etiological processes.

The continuation of this project will allow us to build a longitudinal profile of a large sample of persons who span the adult age range and to model interactions between infection, nutrition, organ functioning and damage, and physical and cognitive functioning in a population that reached maturity in a pre-modern, highly infectious environment. For each of the four specific aims, we will both compare our results to those obtained in the U.S. and other countries, and model individual variation within the Tsimane population. We will also assess the effects of the within-population variance in acculturation at both the community and individual levels on those outcome variables. In so doing, we will model the effects of changing economic activities, housing conditions, use of medical facilities, Spanish competency, and literacy, and link them to data on health, physical and cognitive status, and mortality. The developing gradients of infection and life expectancy or mortality will provide further data to explore evolutionary hypotheses and to explore the details of the relationships between infection, inflammation and the pathophysiology of aging.

**GURVEN, MICHAEL D., Principal Investigator**

The Human Life Course and the Biodemography of Aging

NIH National Institute on Aging

2R56AG024119-11/UCSB 20160226 09/30/15 – 08/31/17

\$590,660

Modification of our R01 renewal to one-year:

Main revisions:

1. A more focused and reduced set of predictions and statistical analyses that would simplify Aims 2 and 3, and would address concerns about our ability to distinguish between hypotheses, our limited sample size and multiple statistical testing. The work to be accomplished in one year would have three principal Aims:

Aim 1: Conduct the biochemical analyses of the relevant lipid and immunological biomarkers for Aims 2 and 3.

Aim 2: Evaluate the genetic risk for LDL cholesterol among the Tsimane and explore new genetic variants for LDL, controlling for multiple statistical testing.

Aim 3: Test hypotheses regarding the atherogenic effects of infection and inflammation, utilizing a single outcome variable (arterial plaques in the femoral and carotid arteries).

2. Addition of biostatistics consultation

3. More explicit comparisons with other datasets (Strongheart, MESA) would increase relevance of Tsimane population

**GURVEN, MICHAEL D., Principal Investigator**

Telomere Length and Immune Function in a High Infection Population

UCSB: ISBER Social Science Research Grant Program (SSRGP)

SS16GM

07/01/14 – 06/30/17

\$8,000

The SSRG will fund the analysis of 465 blood samples for leukocyte telomere length estimation, to provide preliminary results for a large-scale R01NIH grant to be submitted in the next funding cycle. The proposed project will test among Bolivian forager-horticulturalists whether greater exposure to infections is associated with more rapid leukocyte telomere shortening, and as a consequence, more rapid aging of the immune system, as well as faster physical senescence. Telomeres are the protective caps at the end of chromosomes, whose length shortens with each cell replication. For the NIH project, telomere length for 3,000 individuals will be estimated at baseline, and associated with measures of immune function, current and prior infectious history, physical function, and psychosocial stress. At longitudinal follow-up (~5 yrs. post-baseline), repeated sampling will permit estimation of the rate of telomere shortening, and repeats of the same phenotypic measures listed above, in addition to mortality. Our cross-sectional and longitudinal design will therefore permit stronger causal inference. By linking telomeres with infectious history and several aspects of immune function, we should be able to establish important causal connections between cellular senescence and organismal aging, and elucidate the greater significance of telomeres for whole-body organismal aging. Additionally, this study provides an assessment of telomere lengths and their shortening over time in a high mortality, subsistence population living in a very different epidemiological environment from the populations commonly studied.

**GURVEN, MICHAEL D., Principal Investigator**

**PISOR, ANNE C., Co-Principal Investigator**

Doctoral Dissertation Research: Expanded Group Affiliation, Trust and Prosociality in Lowland Bolivia

National Science Foundation

BCS-1357209/UCSB 20140149

06/01/14 – 11/30/16

\$15,249

Trust and prosociality are critical to cross-population collaboration, particularly for heterogeneous groups. Trust is the belief that others will not take advantage of you, and prosociality refers to behavior favoring others at personal cost. Though researchers have found that socioeconomic change (termed differently across social science disciplines) is often associated with more trust and prosociality toward strangers, most studies of prosocial behavior and trust rely on data from large-scale, market societies like the US. Little is known about how trusting and prosocial behavior shift as populations undergo socioeconomic change. The proposed project investigates how changes in trust and prosociality may be related to the expansion of a person's group affiliations, increasing the number of individuals in her in-group(s). An individual will expand her group affiliation strategically when the pay-offs of a larger network exceed the gains she can achieve in her current in-group. A person's expectations of strangers may shift as former "others" become in-group, increasing the number of individuals she trusts and her prosociality toward strangers.

The proposed research asks: (1) Are people with expanded group affiliations (EGA) more trusting of, and prosocial toward, strangers than those with fewer people in their in-groups? (2) What contextual and individual characteristics make EGA more likely? (3) Does EGA mediate the effects of socioeconomic change on prosociality and trust? These questions will be investigated in three populations of horticulturalists from the Bolivian lowlands: the Tsimane', the Mosen, and the multicultural district of Tucup. The project adopts a mixed-methods approach, including a semi-structured interview and economic experiment, to better elucidate relationships between these variables established by existing research.

**HAJJAR, LISA, Principal Investigator**

Human Rights in the Arab World: Research, Advocacy and Public Policy

National Endowment for the Humanities

RZ-249951-16/UCSB 20160590

10/01/16 – 09/30/18

\$200,000

The research project was conceived in 2012 by co-PI LeVine as a collaboration between the Issam Fares Institute (IFI) at American University of Beirut (AUB) and the Center for Middle East Studies at Lund University. In 2013, Hajjar and Dewachi joined the project as co-PIs. In 2014, the newly established Asfari Institute for Citizenship and Civil Society at AUB joined the project, and its executive director Fateh Azzam assumed the role of our associate project director. The funding for conferences, workshops, and research conducted to date has been provided by the above institutions.

In January 2013, IFI hosted a workshop with Arab human rights activists, practitioners and scholars from around the region in order to formulate a research agenda that would be attuned to relevant issues and contemporary developments. At the workshop, participants broadly agreed upon the need to develop a questionnaire to guide interviews, and that the interviews should be analyzed to produce quantifiable qualitative data and knowledge about the experiences of human rights practitioners. Over the following months we developed the questionnaire in three slightly different versions geared toward different kinds of informants: human rights activists, scholars, and policy makers.

In April 2013, we held a public conference at AUB that featured presentations by academics and activists, and a closed-door workshop to discuss the draft questionnaire. In June 2013, we began identifying and contracting individuals to conduct interviews and others to produce our first four case studies—on Yemen, Bahrain, Egypt, and Morocco. The interviews have been ongoing, and as of June 2016, approximately 200 will be finished and transcribed. This includes at least ten interviews in each Arab country. In early 2014, the case studies for Morocco, Egypt, Bahrain, and Yemen were completed and are currently being revised under the supervision of the co-PIs. In June 2014, we held a second closed-door workshop at Lund University to assess the findings of this research, and planned for further research as well as beginning the process of peer-reviewing (within the team and through external colleagues).

In June 2015, we contracted two additional case studies—on Algeria (a draft was submitted in November) and on other countries in the Arabian Peninsula (Saudi Arabia, Qatar and the United Arab Emirates). As described below in the section on the co-PIs' Work Plans, LeVine and Dewachi are doing additional case studies themselves during the period of this grant.

The work on the annotated bibliography of Arabic language studies and reports on human rights is ongoing, under the direction of Abdel Basset Ben Hassan, director of the Arab Institute for Human Rights in Tunis. The co-PIs will travel to Tunis in 2017 (using other sources of funding) to oversee the completion of this annotated bibliography, and we will travel to Cairo to consult with human rights colleagues there about the contents and dissemination of the bibliography and other research products. During the grant period, we intend to develop a website to make these materials publicly available for use by other scholars and activists.

During the first year of the NEH grant period, the co-PIs will analyze the data contained in the interviews and, in the summer of 2017, will begin drafting a monograph. In Fall 2017, we will organize a two-day conference (funded by our partner institutions rather than NEH) in order to enhance our collaborative analysis by sharing, discussing and debating the findings of the interviews and case studies and the analytical work of the co-PIs. The conference will be hosted at the American University of Beirut and co-convened with Lund University. The conference, which will feature formal presentations and thematic roundtables, will include important human rights actors who represent the three “generations” of regional activism: people involved in establishing the first local and regional organizations in the 1970s and 1980s, people who strived to institutionalize and

enforce human rights laws and standards in the 1990s and 2000s, and younger revolutionaries who mobilized in recent years for rights, justice, and political change.

We will incorporate insights, debates, corrections, and other relevant information from the conference into our work on the monograph. We plan to complete a draft of the manuscript by the end of summer 2018, and to finalize the book and send it to a publisher by the end of the grant period.

**HAN, HAHRIE, Principal Investigator**

Testing the Effectiveness of Integrated Voter Engagement Models

Center for Community Change

SB170019/UCSB 20161184

07/01/16 – 06/30/17

\$63,800

This study is designed to test the efficacy of long-term integrated voter engagement (IVE) models, as compared to traditional models of staffing-up and staffing-down around each election cycle. “Traditional” programs refer to vendor and party programs that are solely about electing a particular candidate, involve short term staff that are hired and then laid off. IVE is distinct from these models because it focuses not only on short-term, transactional goals related to the current election, but also longer-term transformational goals related to leadership development (of staff, volunteers, and the people being contacted), and building long-term civic capacity within a community.

In the third year of the study, we will extend a study that began in the fall of 2014, in which we are comparing an IVE program to a control group where no mobilization activity is going on. This will enable us to establish a baseline of what effect the IVE program has on voter outcomes and post-election activity. The research goals are to understand the effect of IVE models relative to no mobilization on the following dimensions:

- (a) Cost (what is the cost per vote)
- (b) Voter turnout: how many people turnout to vote

We will also observationally track civic engagement among volunteers to observe rates of post-election civic activity among volunteers and other changes in their political behaviors.

**HAN, HAHRIE, Principal Investigator**

Proposal to Conduct a Program Review of the Ford Foundation’s Promoting Electoral Reform and Democratic Participation Initiative

The Ford Foundation

CON02942/UCSB 20160213

09/01/15 – 06/30/17

\$84,948

As the Ford Foundation redesigns its overall grant-making strategy in 2015, it has requested a systematic review of its Promoting Electoral Reform and Democratic Participation Initiative. This proposal puts forward a plan to undertake this review. In particular, the Ford Foundation identified three main questions it wants to answer with this review:

1. "In broad terms, what is your independent assessment of what has been more or less effective in the Initiative's approach so far?"
2. "How relevant is the Initiative's approach in relation to the: (a) changing electoral landscape (e.g., Supreme Court decisions on voting rights and money in politics, demographic trends, and the use of data and technology in politics and organizing); (b) changing Ford Foundation strategy; and (c) emerging evidence on what works? What aspects should remain and be strengthened and which should be phased out?"
3. "Looking forward, in relation to the Ford Foundation's focus on inequality and its new goals, present a sketch of options, trade-offs, and key considerations with which the Foundation will need to contend in taking this work forward over the next five years. How broad and deep should it shape its grant making? What other roles should it play?"

Answering these questions necessitates a research approach that includes:

1. Developing a shared understanding of how "effectiveness" is defined and what indicators can be used to assess it. Any definition of effectiveness needs to be sensitive to multiple considerations affecting the Initiative, including (a) the strategic intent of the Ford Foundation's previous grant-making, (b) its goals for the future, (c) the changing landscape of democracy in America, and (d) a strategic assessment of Ford's comparative advantage in taking action in this area. At the same time, the definition needs to be clear enough to provide clear benchmarks against which we can assess the strengths, weaknesses, constraints, and opportunities for the Initiative. Traditional program evaluations begin with clearly specifying the definition of effectiveness at the outset, and then gathering data to assess the extent to which the program did or did not meet those criteria. In this case, however, because the definition of effectiveness itself is so multi-faceted, I expect that it will evolve through the data collection process (the interviewees, for example, may have insights that will help us clarify and develop the measures of effectiveness). Thus, the research process outlined below is based on an emergent analytic framework that can adapt to the evolving definition of effectiveness. Through the framework described below, the goal will be to develop a rubric against which we can assess the Initiative. The rubric will define a set of principles by which "effectiveness" can be defined. It will also identify a set of quantitative and qualitative indicators that can be used to assess the extent to which the Initiative met the objectives defined by the principles.

2. Clearly identifying and assessing the different strategic approaches the Initiative can take to maximize its impact in this area. This includes making explicit different assumptions and "theories of change" that govern the strategic choices the Initiative might make, and spelling out the implications associated with each one. As we clarify a definition of what "effectiveness" is for the Initiative, we will also begin to uncover a set of strategies that can be used to achieve the desired level of effectiveness. Each of those strategies rests on a set of assumptions about how the world works, and how the Initiative can best leverage its resources. A key part of this evaluation will be (a) uncovering what those assumptions are that underlie the strategic approaches that were used in the past and those that are being considered for the future, and (b) assessing the existing evidence-base for those assumptions to identify both things that are known and questions that need to be answered as the Initiative moves forward. All interview and document data will

be analyzed using Atlas.ti, a qualitative data coding system that is consistent with the emergent analytic framework specified, and capable of managing multiple kinds of qualitative and quantitative data.

**HAN, HAHRIE, Principal Investigator**

How Organizations Build Collective Action

New Venture Fund

GA1016/UCSB20170038	09/01/16 – 06/30/18	\$199,979
GA1016/UCSB20171082	09/01/16 – 12/31/18	\$ 90,000

How do organizations channel the activity of ordinary people into political power? This project seeks to conduct a set of comparative case studies designed to identify a set of “enabling conditions” that organizations seeking to develop grassroots power must have. Existing research tells us much more about the processes that are most effective for engaging people at the individual, micro level. We know less about the way that the meso, organizational level channels that engagement into political power. Yet, a plethora of research tells us that organizations—and movements—are critical for translating individual political activity into influence. What are the processes through which that works?

The study takes as its starting point the idea that movement organizations are constantly working in an environment of uncertainty, with a shifting array of social, economic, and political forces affecting their ability to move a political agenda. Much research demonstrates the kinds of external, socio-political conditions and resources that can shape a movement organization’s ability to advance their agenda. This study takes a different approach, focusing not on external trends or static resources, but instead the internal capacities a movement organization can build to increase its likelihood it will build governing power for its constituency. Through comparative cases, we seek to understand the internal organizational processes and capacities that make it possible for organizations to translate activity into influence.

**HARTHORN, BARBARA, Principal Investigator**

**APPELBAUM, RICHARD, Co-Principal Investigator**

**HAWKER, CRAIG, Co-Principal Investigator**

**MC CRAY, W. PATRICK, Co-Principal Investigator**

NSEC: Center for Nanotechnology in Society at University of California, Santa Barbara  
National Science Foundation (Renewal)

SES-0938099/UCSB 20091366	09/15/10 – 08/31/16	\$6,076,000
---------------------------	---------------------	-------------

CNS-UCSB Vision and Goals: Nanotechnology Origins, Innovations, and Perceptions in a Global Society. The global vision to have nanotechnology mature into a transformative technology depends on an array of interconnected and complex factors situated within a rapidly changing international economic, political, and cultural environment. These include the resolution of scientific and technological questions, the safe creation, development, and commercialization of nanoproducts, and the acceptance of nanotechnology by diverse publics. The NSF Center for Nanotechnology in Society at UCSB provides a clear and

comprehensive approach to understanding the challenges to the successful development of nanotechnology in the US, Europe, Asia and other regions. Through a mixed and complementary portfolio of interdisciplinary research, education, and engagement activities, the CNS-UCSB produces basic knowledge about a linked set of social and environmental issues at a time of sustained technological innovation through close examination of the development; commercialization, production, consumption, and control of nanoscale technologies. The Center addresses education for a new generation of social science and nanoscience professionals as it fosters research on the origins of the nano-enterprise, the innovation and globalization of nanotechnology, and the social response, media framing, and the publics' risk perception of nanotechnology. With an outlook that is global in scope, detailed in its focus, and rigorous in its methodologies, the CNS-UCSB will continue to use its evolving international research infrastructure to create a genuine learning community of diverse participants who can pool their knowledge for the simultaneous benefit of society and technology.

CNS brings together a diverse and talented interdisciplinary, international group of researchers to conduct collaborative research on pathways and impediments to socially and environmentally sustainable futures for nanotechnologies. In years 6-10, CNS will introduce further collaborations from the most junior (2 Assistant Professors-to-be) to the most senior and highly regarded (e.g., Paul Slovic, Fred Block). CNS has a strong commitment to produce work at the cutting edge of disciplinary work as well as contributing high quality publications and products to the growing body of literature on nanotechnologies in societal context. In a little over 3 years CNS research teams have produced 44 new publications, have another 9 currently under review, and have made almost 240 presentations at academic, industry, and community venues. CNS researchers publish their work in leading science and technology studies, social, economic and behavioral science, nanoscale science and engineering, and science and environmental policy journals. For example, CNS's paper on the first ever cross-national comparison of public deliberation processes was published in Feb 2009 as one of three social science research articles ever published in the journal *Nature Nanotechnology*. CNS will synthesize the results of the first 5 years research and meetings to integrate those results into a number of meta-analysis papers and reports on innovation policy, patents and technology transfer, nation-state industrial policy, the role of collaboration in NSE in the US and abroad, media frames for nanotechnology, and the factors driving formative nanotechnology risk perception among diverse publics. In addition, CNS plans to synthesize the key collective results of the CNS research and education programs in the first 5 years into a single, high quality edited volume. These plans for integration and synthesis will be continued throughout the 10 years of Center funding.



**HARTHORN, BARBARA, Principal Investigator**  
**PARTRIDGE, TRISTAN, Co-Principal Investigator**

Postdoctoral Fellowship: Energy, Risk and Urgency — Emergent Public Perceptions of Unconventional Oil and Gas Extraction

National Science Foundation

1535193/UCSB 20161391

09/01/15 – 10/31/17

\$107,788

This postdoctoral research project will examine US and UK publics' attitudes on unconventional oil and gas extraction technologies for connections between those emergent attitudes and broader ideas about energy, society, and risk in both countries. More specifically, the project will focus on ideas about urgency as they figure in emergent public views on the risks, benefits and impacts of technologies used in hydraulic fracturing ('fracking') to access oil and gas in deep shale rock. This project will conduct focused comparative analysis of qualitative data on how diverse groups of everyday people attach ideas about urgency to economic, environmental, social, and political aspects of new unconventional oil and gas technologies. The proposed analysis will be conducted using an existing set of extensive qualitative data collected from four public deliberation workshops convened in October 2014 by a collaborative team including the PI and co-PI of this project in the Center for Nanotechnology in Society at UC Santa Barbara (CNS-UCSB). The separate postdoctoral research project proposed here will take place over 14 months from July 2015-Aug 2016 at UCSB. NSF support is requested for full-time salary support for the postdoctoral fellow, conference and meeting travel for him to disseminate research results, and a modest budget for other essential research expenses.

The project is a cross-national comparative case analysis of the effects of fracking technologies on diverse publics' social values, relationships, livelihoods and practices in the two study countries through the lens of urgency. Both the US and UK have distinct histories of risk controversy and attitudes about climate change, but fracking is increasingly contested in both, amid public debates about its role in future energy provision. This project argues that ideas concerning urgency provide a critical, yet little studied, discursive frame for examining both place-based and subjective aspects of risk, benefit and harm around issues of energy and society. Contention over the temporal aspects of new technology development and deployment constitutes a particularly important site for examining emergent ambivalence, uncertainty and risk attenuation or amplification - views of interest to many in technological innovation.

**JUERGENSMEYER, MARK, Principal Investigator**

Resolving Jihadist Conflicts? Religion, Civil War, and Prospects for Peace

Uppsala Universitet (Sweden)

SB170042/UCSB 20161220

01/01/16 – 12/31/16

\$69,191

SB170042/UCSB20171222

01/01/17 – 12/31/17

\$61,538

The Department of Peace and Conflict Research (DPCR), Uppsala University, is offering the Regents of the University of California, Santa Barbara a research grant from the research project 'Resolving Jihadist Conflicts? Religion, Civil War, and Prospects for Peace' funded by Riksbankens Jubileumsfond. The research grant will finance Professor Mark

Juergensmeyer's participation in the research project, in accordance with the project budget, during 2016. The research grant is offered on condition that complete funding is received by Riksbankens Jubileumsfond. Riksbankens Jubileumsfond has, on 12 of January 2016, confirmed to project leader Professor Isak Svensson that DPCR may sub-contract external participants in the project.

The work tasks that Professor Juergensmeyer will perform are divided into three categories.

1. Independent research. Professor Juergensmeyer will utilize his approach of worldview analysis to explore how jihadist conflict can end. He will conduct field research and interviews in two cases, the Moro separatist movement in the Philippines and the Awakening movement in Iraq that in 2006 quelled the Sunni insurgency that supported Al Qaeda in Iraq (the immediate predecessor of the current Islamic State regime). The goal is to understand how images of nonnegotiable cosmic war can be transformed into negotiable demands that are susceptible to mediation and accommodation, and how government policies that respond to such violence can help or hinder this process.
2. Participation in project activities. Professor Juergensmeyer will participate in project activities within the framework of the research project, such as meetings and conferences in the research project's "Core group" and "Working group".
3. Reporting. Professor Juergensmeyer will report on his work to Professor Isak Svensson (DPCR, Uppsala University), project leader 'Resolving Jihadist Conflicts? Religion, Civil War, and Prospects for Peace'.

**KAM, JENNIFER, Principal Investigator**

Using a Stress-Coping-Resilience Framework to Identify risk and Protective Factors for Latino/a Adolescents in Santa Barbara County

UCSB: ISBER Social Science Research Grant Program (SSRGP)

SS17KJ

07/01/15 – 06/30/17

\$8,000

Based on a stress-coping-resilience framework, this project examines whether cultural stressors associated with ethnic minority group status, as well as immigration and acculturation processes place Latino/a adolescents at risk for substance use and other problem behaviors, adverse mental health outcomes, and poor academic performance. Furthermore, this project investigates whether certain parent-adolescent communication factors and individual coping mechanisms can protect Latino/a adolescents against the negative effects of cultural stressors. Although this project considers several stressors, it primarily focuses on Latino/a adolescents' separation and reunification with a migrant parent(s). Past research indicates that separation (e.g., child is left behind for a period of time, while one or more parents migrates to another country) is related to adverse mental health outcomes, a variety of risky behaviors, and poor academic performance. Reunification (i.e., child lives with parent again after being separated) also poses many challenges such as managing feelings of abandonment and resentment, addressing uncertainty regarding each other's role, and learning how to build family cohesion. Despite

the stressful nature of separation and reunification, limited research has been conducted to uncover protective factors and healthy coping strategies. This project will identify such factors and coping strategies, with a particular emphasis on parent-child relational maintenance behaviors, forgiveness, and hope. The project will include collecting three waves of survey data from Latino/a junior high school students in Santa Barbara County. The findings can help develop a theory of stress-coping-resilience responses that guide more effective culturally-grounded programs aimed at promoting well-being for Latino/a adolescents and their families.

**KATSIKA, ARGYRO, Principal Investigator**

Prosodic Structure: An Integrated Empirical and Modeling Investigation

Haskins Laboratories, Inc.

#1/UCSB 20171307

09/01/16 – 02/29/20

\$92,612

Argyro Katsika Ph.D., has been a core member of the scientific team conceiving and executing this collaborative project, and was the original PI of the award 1551428 to Haskins Laboratories. Since the grant was awarded, Argyro Katsika has been relocated to University of California, Santa Barbara as an assistant Professor of Linguistics. Argyro Katsika will be the PI of the subcontract to UCSB. Argyro Katsika is an expert in the area of speech production and prosodic structure that is the subject of this research. She will oversee and conduct experiments on prosodic boundaries and prominence, she will analyze the acquired experimental data, and she will prepare results for publication. Specifically, Argyro Katsika will conduct and analyze experiments 1-4 of the proposal. Experiments 1 and 2 address Goal 1, meaning investigation of tonal and temporal properties as part of one system in boundaries. Experiment 1 examines boundary and prominence coordination phrase-finally, while experiment 2 examines this coordination phrase-initially. Experiments 3 and 4 assess the tonal and temporal properties as one system in prominence (Goal 2). Experiment 3 focuses on the dynamics of prominence, and experiment 4 examines the temporal scope of prominence and pitch accent coordination. Research assistants will assist the PI with lab tasks (i.e., recruiting subjects, acquiring and analyzing the data).

**KAY, LUCIANO, Principal Investigator**

Science Policy Research Report: The Use of Innovation Prizes in Government

National Science Foundation

1734767/UCSB 20170782

05/01/17 – 04/30/18

\$27,589

This project aims to review and synthesize existing scientific evidence and produce a science policy research report on the use of innovation prizes in government that considers both what is and what is not known. The report will first describe and explain the importance of prizes as a science, technology and innovation policy instrument and current government practices, including the program U.S. federal government program Challenge.gov. It will also synthesize relevant empirical evidence in a way that summarizes and clarifies what is and what is not known, focusing on four main themes: design, implementation, use of results and evaluation of prizes. The final report will provide actionable policy and practice evidence-based recommendations that focus on those main

themes other themes and relevant policy issues emerging from the literature and aspects that could have significant impact of the use of prizes in government according to the researchers' experience. The final report will also include an executive summary and an index with annotations of up to ten of the most salient academic studies and a full reference list.

**KENDALL, BRUCE, Principal Investigator**

**GAINES, STEVEN, Co-Principal Investigator**

**GENETTI, CAROL, Co-Principal Investigator**

NRT IGE: Crossroads: Integrating Interdisciplinary Research and Teaching in Graduate Education

National Science Foundation

1633764/UCSB 20160660

09/15/16 – 08/31/19

\$499,943

Many of the complex problems facing human society require interdisciplinary research. Successful interdisciplinary collaboration requires effective negotiation of different vocabularies, concepts, standards of evidence, and assumptions. This can be especially challenging for graduate students, who are just establishing their “epistemic living spaces.” Interdisciplinary graduate programs frequently lack a corresponding undergraduate curriculum, so opportunities to teach interdisciplinary classes are rare. The process of teaching is one of the best facilitators of learning, so the lack of interdisciplinary teaching opportunities means students are less likely to develop the core competencies of communicating their research to undergraduates or other non-specialists. The proposed project will test a model of graduate education that provides graduate students with explicit training in interdisciplinary collaboration and pedagogy in the context of a year-long interdisciplinary research project that is translated into the undergraduate classroom. Central to this training will be exploration of what it means to be “in a discipline”—i.e., a member of a community of practice that shares core assumptions, methods, evaluative standards, and genres—and how to effectively communicate and negotiate disciplinary terrains in the process of interdisciplinary collaboration and undergraduate teaching. This model of graduate education will be tested within UCSB Crossroads, a recently-developed program in which faculty and graduate students from multiple disciplines conduct a year-long research project that is then transferred into the undergraduate classroom. To the existing Crossroads model we will add a suite of transferable professional-development activities that help graduate students explore, articulate, and discuss their disciplinary practices and reflect on the shifting conditions and contexts of the interdisciplinary research group. Before teaching, students will enroll in a new three-unit pedagogy course that includes modules on the interdisciplinary classroom and on how to incorporate research into teaching. Students will be closely mentored as they develop their teaching material and implement and assess teaching strategies. Students will also train on presenting their research to non-specialist audiences. This model will be tested in Year 1 through the in-depth analysis of two testbed Crossroads group projects in the area of sustainability. An evaluator will provide formative assessments that will be used to refine the approach for three additional projects in other STEM areas (selected via a call for proposals) in Year 2. Evaluation of these projects will demonstrate what aspects of the model are most effective, scalable and transferrable across STEM fields. Year 3 will involve

final assessment, evaluation, and dissemination of results. We will compile a final version of the professional-development materials for the UCSB Crossroads website.

**KLAWUNN, MARGARET, Principal Investigator**

School Emergency Response to Violence (Project SERV)

US Department of Education

S184S1500002/UCSB 20150874      02/19/15 – 02/17/17

\$569,725

On May 23, 2014, six UC Santa Barbara students were killed and thirteen people were wounded (nine of them UC Santa Barbara students) during a mass murder/shooting rampage in the campus-adjacent community of Isla Vista. UC Santa Barbara students make up approximately half of the 23,000 residents of the community of Isla Vista, which comprises a one-half square mile area and is an unincorporated part of Santa Barbara County. During the rampage, the gunman, Elliot Rodger (later revealed to be a student at Santa Barbara City College and resident of Isla Vista), drove his car through the crowded streets of Isla Vista shooting at victims and running over and dragging pedestrians and bicyclists. The rampage ended with a gunfight between Rodger and Santa Barbara County Sheriff's Officers in which Rodger took his own life. Later that evening it was determined that Rodger had earlier murdered three UC Santa Barbara students inside an off-campus apartment that he shared with two of the three victims. Elliott Rodger left behind a widely publicized 100+ page manifesto and videos that were posted on YouTube. Both his writings and his videos featured misogynistic rants and premeditated plans to seek revenge for his social isolation through killing "sorority girls" and other residents of the community of Isla Vista, whom he believed had rejected him.

The ten-minute rampage involved thirteen crime scenes. Thousands of Isla Vista residents, most of them UCSB and Santa Barbara City College students, were directly impacted as victims, witnesses, first responders, friends of those killed and injured, or residents living in or near one of the thirteen crime scenes. Specific UCSB populations have been particularly impacted. These populations include members of UCSB's sorority system, who were directly targeted by the killer (two of the six students murdered and one severely injured were members of the Delta Delta Delta sorority); students, faculty and staff in the College of Engineering and its Computer Science Department in which three of the murdered students were enrolled; residents of UCSB-operated Manzanita Village, an on-campus residence hall in which two of the murdered victims resided; and international Chinese/Taiwanese and domestic Asian-American students as three of the victims were relatively recent immigrants to the U.S. of Chinese or Taiwanese descent.

The most immediate activity needed to restore the learning environment at UC Santa Barbara is adequate and timely access to counseling and crisis services for our 21,000 students and to behavioral health programming and consultations for over 10,000 staff and faculty. Even under normal circumstances, the number of mental health professionals employed by UCSB to work with students is inadequate to meet student demand with wait times of up to three weeks for regular appointments (non-crisis) with both psychologists and psychiatrists. While we were able to supplement our existing counseling staff in the short-term by bringing in approximately 40 counselors from other UC campuses (see

request below to reimburse lodging expenses), this was only a short-term solution that enabled us to increase access through the end of the 2013-14 academic year.

Additional funding provided by this grant will enable us supplement our existing campus-based mental health staff who serve students through the hire of one additional student mental health services coordinator; two additional counseling psychologists; and one additional social worker. These additional staff will help to meet the increase in demand for services, and the need for a higher level of response to crisis cases that we anticipated when students returned to school in early October 2014.

**KLAWUNN, MARGARET, Principal Investigator**  
**CZULEGER, CATHY, Co-Principal Investigator**

Sailing at UC Santa Barbara

California Dept. of Boating and Waterways

C8960305/UCSB 20160678	01/01/16 – 12/31/31	\$14,070
C8960305/UCSB 20170629	01/01/16 – 12/31/32	\$40,000

The mission of the Sailing program at UC Santa Barbara is to provide beginning to intermediate sailing and boating safety instruction to undergraduate and graduate students enrolled at the University and to the adults (18+) who live in the County of Santa Barbara, including students from Westmont College in Santa Barbara and Santa Barbara City College. UC Santa Barbara's Recreation Department offers academic credit classes in both beginning and intermediate sailing, as well as non-credit sailing classes open to the public. The Sailing program's purpose is to offer high quality, affordable instructional sailing instruction and boating safety education to the diverse population of adult students and nonstudents. The target population is residents of the County of Santa Barbara.

The requested DBW grant funding is to replace old and unusable equipment, increase boating safety education and awareness in the community, and allow the coach (or program representative) to attend the annual mandated meeting.

**KLAWUNN, MARGARET, Principal Investigator**  
**EQUINOVA, KIMBERLY, Co-Principal Investigator**

Strengthening Services for Victims on Campus

USDJ: Office of Justice Programs

2014-WA-AZ-0009/UCSB 20151011	10/01/14 – 09/30/17	\$289,004
-------------------------------	---------------------	-----------

University of California Santa Barbara (UCSB) is a residential university with a diverse student population made up of 19,362 undergraduate students and 2,863 graduate students, totaling 22,225 students as of Fall 2013 quarter. The service area where this continuation grant will take place is the UCSB campus in Santa Barbara, and in the adjacent community of Isla Vista, which houses nearly half of the UCSB student population. Since the implementation of the 2011-2014 OVW Campus Grant UCSB's CARE program advocates have seen a 278% increase in the number of students served for sexual assault, dating violence, domestic violence and stalking. The 2014-2017 continuation proposal addresses two core goals: having a dedicated investigator available to work with CARE advocates and

survivors to ensure that their case is handled by someone specifically trained to work with survivors of interpersonal violence. In addition to receiving information about legal, medical and psychological options, victims will have the opportunity to work with one dedicated investigator throughout their entire process. There is strong evidence from CARE Program advocates to support the need for a dedicated, female investigator to work with survivors of interpersonal violence at UCSB. The bulk of funding in this proposal is allocated to the investigator salary, which represents a significant increase in the ability to provide adequate services to survivors on campus. This position fulfills the requirement that 20% of program funds must be used to develop, enlarge and strengthen services to victims.

The second goal is continued prevention education through CARE Connect and Green Dot, a nationally recognized bystander intervention education program for students. Moving forward from the 2011 campus grant, there will be multiple ways for students to become trained on interpersonal violence issues and response at UCSB. The CARE Connect training and Green Dot will be continued/implemented by the Prevention Education Coordinator. The primary activities for Broad Campus and Community Engagement are 1. Conduct quarterly CCR meetings. 2. Issue a report to campus administrators, including campus Title IX coordinator, about ongoing trends in interpersonal violence and barriers to reporting. 3. Check in with a representative from each CCR member department or agency on an annual basis to discuss updates to protocol and response procedures for the department and to discuss training needs in order to track effectiveness of new/revised policies from the 2011-2014 grant. The primary activities for Reduction of Sexual Assault, Domestic Violence, Dating Violence and Stalking are 1. The graduate assistant will be responsible for training Gaucho FYI peer facilitators each summer.

This training will focus on how to present to their peers about interpersonal violence in a sensitive way and how to respond to disclosures during training. 2. Continue CARE Connect trainings developed during 2011-2014 grant, and implement Green Dot training, increasing number of students trained through both programs to 500 per year. 3. Monitor and evaluate CARE Connect and Green Dot training to assess effectiveness of each program. The primary activities for Effective Intervention are 1. The dedicated investigator will work with CARE staff to develop and present training to law enforcement officers at UCSB PD annual training. 2. The investigator will work with CARE staff to institutionalize annual training with Isla Vista Foot Patrol officers on appropriate response to interpersonal violence reports. 3. The investigator will work with the county DA's office to identify trends on cases don't meet prosecutorial merit.

This continuation grant will impact the campus community as a whole by creating a system by which each student who has experienced interpersonal violence and is making a law enforcement report will work with the dedicated investigator from start to finish. This will reduce existing barriers to reporting. This grant will impact the campus community in terms of education, outreach and awareness through the prevention education coordinator position, which will involve training 500 students each academic year through Green Dot and Care Connect trainings.

**KUCZENSKI, BRANDON, Principal Investigator**

**EL ABBADI, AMR, Co-Principal Investigator**

CyberSEES: Type 1: Preserving the Privacy of Life Cycle Inventory Data in Distributed Provenance Networks

National Science Foundation

CCF-1442966/UCSB 20141166

10/01/14 – 09/30/17

\$398,512

Estimating the environmental implications of consumption activities requires extensive information about industrial processes throughout the global economy, known as life cycle inventory (LCI) data. These data are often considered confidential by industrial process operators. Computing results from LCI data is analogous to traversing a distributed provenance graph. Current practice requires all data to be known by a single party and often available to the public. As a consequence, data providers may be reluctant to share, and estimates of industrial activities are limited in precision, highly uncertain, and challenging to interpret. The proposed project will develop methods for computing LCI results that preserve the privacy of inventory data, drawing inspiration from current research in sharing provenance data among collaborators with limited mutual trust. The work will consider both scenarios in which secret results are shared among collaborators and in which results are made available for public query. The work will lead to the development of security schemes to respond to / defend against threats to private data used in LCI computations; algorithms for performing LCI computations under privacy restrictions; and data anonymization strategies for data publication satisfying data providers' privacy requirements.

**KURIN, DANIELE, Principal Investigator**

Lethal Conflict, Deprivation and displacement in Failed States: A Bioarchaeological and Biogeochemical Perspective from Ancient Peru

UCSB: ISBER Social Science Research Grant Program (SSRGP)

SS17KD

07/01/15 – 06/30/17

\$8,000

This timely study investigates potential associations between restricted movement, elevated morbidity and excess mortality in the wake of archaic state collapse. Despite its prescient significance, the direct, bodily impacts of deprivation, violence, and restricted mobility – which often follow modern state failure – remains understudied. However, because chronic health problems permanently deform bones, and given that violent trauma breaks bones, and finally, due to the fact that geo-dietary patterns uniquely transform the elemental composition of bones, bioarchaeologists can operationalize and quantify changes in morbidity, mortality, and mobility among individuals, families/social groups, and entire populations. In this study, cortisol biomarkers reflecting stress hormone levels will be analyzed on five hairs from 10 mummies to infer morbidity rates; 200 (5mg) bone samples will be collected and exported to UCSB for stable and radiogenic isotopic analysis of carbon, nitrogen, oxygen, sulfur, and strontium. This approach will allow us to reconstruct ancient dietary and nutritional patterns as well as geo-locate people to specific places on the landscape. Ultimately, this project aims to 1) better understand how restrictive living in destitute conditions impacts the relationship between chronic illness and violent death,



and 2) evaluate with greater detail potential coping strategies employed by geographically circumscribed families in troubled times.

**KURIN, DANIELE, Principal Investigator**

Genomic Pre-/Historic Human Population History and Health  
UC Santa Cruz

A17-0518-S0003/UCSB 20170012      01/01/17 – 12/31/18      \$8,000

The aim of the MRPI is to establish a UC campus-wide program in Genomic Population History that:

1. Operates as an intellectual platform to facilitate interdisciplinary interrogation of questions related to prehistoric demography, diversity, health, and population history (initially in Andean South America).

2. Enables students and faculty to be trained in paleogenetics and bioinformatics (ancient DNA analysis), with access to the UCSC Paleogenomics Research facilities.

For the two-year pilot phase, the scope of work is the establishment of network infrastructure to test and enhance the feasibility of inter-campus cooperation. This includes participation in inter-campus seminar and workshop video-conferences, and also practical training on-site at the Santa Cruz campus.

**LASALA-BLANCO, NARAYANI, Principal Investigator**

Syrian Refugee Knowledge, Attitudes and Practices Panel Study  
UCSB: ISBER Social Science Research Grant Program (SSRGP)

SS18LM      07/01/16 – 06/30/17      \$8,000

How, when, and why do some immigrants integrate into a democratic polity? And under what conditions are some migrants more prone to adopt radical and violent identities? Identifying the effects of individual characteristics versus the contextual conditions at arrival that make an immigrant more prone to adopt a positive view of the host polity -- and eventually a strong attachment to liberal-democratic values -- has been a key concern for democratic countries, yet so far been practically impossible because immigration is a network driven process: people with similar group characteristics migrate to concentrate in one or few localities. This research project combines an experimental research design and panel data to identify with greater precision than ever before the conditions that result in integration or violent radicalization.

The central hypothesis explored in this research is that type of conditions (the local social and political contexts and interactions with the receiving country's institutions) encountered by immigrants during the first few months after arrival can result in different integration paths. Preliminary evidence of this was found by Lasala Blanco (2014). To test this hypothesis I will a random sample of anywhere between 150-1500 (number contingent on funding, this grant will cover the first 150) Syrian immigrant families into a panel study. Subjects will be recruited in person at the three key entry points to Europe and the United States (granted access by UNHCR camps managers). The quasi and random assignment of refugees allows us to overcome one of the biggest challenges: disentangling home country

group characteristics (religion, culture attitudes towards non-Muslim countries) from those developed as a function of the context in which they arrived.

**LEOMBRUNI, LISA, Principal Investigator**

**GAINES, STEVEN, Co-Principal Investigator**

Assessing Science Engagement Through Social Media: NOVA ScienceNOW Season 7

WGBH Educational Foundation (NOVA)

K201700254/UCSB 20161159

10/01/16 – 06/30/19

\$232,753

This 33-month project (10/01/2016 - 06/30/2019) is a sub-award of the NSF-funded Assessing Science Engagement Through Social Media: NOVA scienceNOW Season 7, awarded to NOVA / WGBH Educational Foundation. A cornerstone of this project is the new NOVA "Social Media Initiative," which seeks to create a dynamic, interactive digital learning environment for users in everyday settings. UCSB will work in close collaboration with NOVA to undertake a new Social Media Initiative (SMI), a research program to study how science information is used in, understood, and spreads through social media networks.

**LIEN, PE-TEI, Principal Investigator**

Understanding Racial Attitudes and Opinions of Immigrant Chinese Americans

UCSB: ISBER Social Science Research Grant Program (SSRGP)

SS18LP

07/01/16 – 06/30/17

\$7,995

The main activity of the proposed research is to conduct preliminary research through elite interviews in order to help inform the construction of a large-scale and nationally representative in language opinion survey of immigrant Chinese Americans which will be used to gauge the origins, contours, and consequences of their racial attitudes and opinions in "colorblind" America. Hailed from largely racially homogeneous homelands of China, Taiwan, and Hong Kong, and being labeled as the "model minority" immigrants, Asian-born Chinese Americans have had an intriguing relationship with other nonwhite Americans who may not be as socioeconomically successful, but may be more advantaged in terms of cultural and political status in U.S. society. Situated as the Racial Middle in the politics of color (O'Brian 2008) or as "honorary whites" in a tri-racial framework (Bonilla-Silva 2006), how do Chinese immigrants think of issues of race, race relations, and notions of racial equality and justice? What explains their patterns of racial attitudes and opinions toward whites and other nonwhites? And what are the behavioral consequences and implications of these attitudes and opinions on building racial coalitions? Because Chinese immigrants arrived from a politically divided homeland with significantly different degrees of freedom and social conditions, I also seek to explore how differences in homeland socialization, as well as individual differences regarding age, time, and conditions of arrival, may influence the direction and contours of racial opinion formation. The result will significantly improve understanding of racial formation at the individual level for an immigrant community known to be inscrutable.

**MITHUN, MARIANNE, Principal Investigator**  
**CAMINSKY WZENCZNY, DIBELLA, Co-Principal Investigator**

Doctoral Dissertation Research: The History of the Koryak Language and Its Dialects

National Science Foundation

1451796/UCSB 20150020

06/01/15 – 05/31/18

\$20,034

This project investigates the history of the Koryak language [kpy] via linguistic documentation and analysis of its varied dialects, which form a broad, divergent continuum across the Kamchatka peninsula in the Russian Federation. The project will constitute a part of the co-PI's ongoing dissertation research on the Koryak language(s), and will contribute towards the completion of the dissertation "Proto-Koryak Morphosyntax". The ultimate research goal of this project is a reconstruction of Proto-Koryak phonology, morphology, and syntax and a better understanding of the diachronic developments leading to each of the divergent Koryak dialects, as well as the internal divisions within the Chukotko-Kamchatkan family at large. The value of a comparison of a large number of dialects lies in the potential it offers to demonstrate incremental change and highlight stages of grammatical change. However, given the nearly non-existent state of documentation and description for the Koryak dialects other than Palana Chawchu and Chavchuchen, the project will also necessarily involve a great deal of documentation, primary description and grammatical analysis.

**O'CONNOR, MARY, Principal Investigator**

Access to Health Care for Mixtec Immigrants

UC Mexus

SB150146/UCSB 20151102

05/01/15 – 04/30/18

\$1,499

The Central Coast of California is home to some 40,000 indigenous Mixtec migrants from the state of Oaxaca, Mexico. Mixtecs are culturally quite distinct from the those in the larger immigrant Mexican population. They speak their own language rather than Spanish or English, many do not read or write in any language, and all are very poor. I propose to conduct research on access to health care for Mixtecs, comparing the two communities of Oxnard and Santa Maria. Using grounded theory, I will address two major factors that may limit this access: ethnicity and language. The distinct culture of the Mixtecs tends to separate them from the majority of Mexicans, who discriminate against indigenous Mexicans generally. At the same time, the inability of Mixtecs to speak Spanish tends to create barriers to health care, because of the limited availability of Mixteco-Spanish interpreters. The results of the project will form the basis for proposals for extramural funding,

**OPREA, RYAN, Principal Investigator**

Revealed Preferences and General Equilibrium in the Laboratory

UC Santa Cruz

UCSCMCA-14-008/UCSB 20140176

05/01/14 – 04/30/18

\$58,853

For this grant, PI Ryan Oprea will collaborate in designing and testing the experimental software, designing the experimental treatments and running the experiments proposed in

the project description. Ryan will also be the primary data analyst on the grant and will be responsible for statistically characterizing the results of the experimental investigations. Ryan will also take a lead role in preparing manuscripts for review and undertaking revisions of the manuscripts. Finally Ryan will be responsible for presenting the findings of the studies proposed in the grant at academic conferences and invited seminars.

**PALERM, JUAN-VICENTE, Co-Principal Investigator**

**LA MON, SHELLEY, Principal Investigator**

From the Far South to the North: The New International Migration of Indigenous Mexicans to the United States

UC Mexus

SB150096/UCSB 20150307

01/01/15 - 12/31/16

\$12,000

This dissertation research project will employ ethnographic methodology to study the recent international migration of indigenous Tsotsil Maya migrants from Chiapas, Mexico to the United States. The arrival of a new wave of indigenous Mexican migrants offers a pivotal opportunity to study the changing sociocultural landscape of U.S.- Mexican migration as well as the role of indigenous ethnic identity in the formation of pan-ethnic alliances and transnational communities. An overarching research objective is to test existing theories on the relationship between indigenous Mexican migration and ethnogenesis (ethnic renewal and identity transformation) by examining the migration experiences of two different indigenous communities residing in the United States: Mixtecos in Oxnard, California and Tsotsil-Maya in Tampa, Florida. Data gathered on 1) levels of inter- and intra-communal cohesion or conflict in migrant-sending and -receiving communities, 2) the density and composition of transnational networks and 3) interactions between and among native U.S. residents, Mexican mestizo immigrants, and new indigenous migrants within receiving communities will allow for deeper understandings of the ways new immigrant groups employ cultural resources and ethnic identity to navigate the challenges of adaptation in the United States.

**PARK, JOHN, Principal Investigator**

Coming into an Awareness: Status and Illegality Among Children and Young Adults in American Law

Russell Sage Foundation

93-16-05/UCSB 20160512

04/01/16 - 03/31/18

\$34,258

This project contributes to scholarly discussions about illegal status among younger people in the United States. Rather than considering the circumstances of such persons as novel, this project argues that the conditions of illegality are a recurring problem. By examining key cases and legal disputes, the project shows how many Americans suffered from a troublesome status, which often entailed family separations. Although this study presents archival materials, with evidence collected from several research institutions, the approach is designed to engage contemporary debates about illegal status in our own time, among yet another generation of persons living in the United States.

**RAMBELLI, FABIO, Principal Investigator**

Sea Religion in Japan

The Japan Foundation

SB160140/UCSB 20160253

05/01/16 – 10/31/16

\$5,000

The symbolic system underlying Japanese religion presupposes a continental, “landlocked” environment, centered on agriculture (especially rice cultivation) and focusing on mountains as the privileged sites of sacredness. Within this context, received scholarship tends to downplay (if not ignore altogether) the role of the sea in Japanese religiosities. This conference gathers together many of the leading experts on Japanese religious history, as well as some emerging young scholars, from several countries, in what is perhaps the first systematic endeavor to address Japanese religious history as seen from the sea, by focusing on sea-centered cults, deities, and symbolic systems. The conference papers will be published in a book.

The conference will take place over three days at the University of California, Santa Barbara. Participants will circulate their papers in advance, and at the conference they will briefly present their work and engage in discussion with the other participants. Topics to be addressed include: (1) Cosmology of sea religion and its differences from land- and mountain-based religiosities; (2) Decentered nature of sea religion, related to local cultic sites (Sumiyoshi, Munakata, Kashima, Itsukushima, etc.); (3) Networks of shrines, deities, and cults dedicated to sea deities, in Japan and across East Asia; (4) Sea deities (Sumiyoshi, Sukunabikona, Awashima.etc.): legends, cults, and rituals, and their transformations in time and place; (5) Religious systems and ritual calendar of fishing communities in Japan; (6) Critical evaluations of past scholarship on sea religion; (7) Role of the sea and its imagination in Japanese culture (as a space of mediation between the familiar and the foreign, this world and the other world). This conference will be a unique venue for scholars working on different aspects of Japanese religion and intellectual history to engage with a new theme and its related perspectives.

**RAMBELLI, FABIO, Principal Investigator**

Sea Religion in Japan

The Toshiba International Foundation

SB160138/UCSB 20161105

05/01/16 – 10/31/16

\$10,000

A large part of the symbolic system underlying Japanese religion presupposes a continental, “landlocked” environment, centered on agriculture (especially rice cultivation) and focusing on mountains as the privileged sites of sacredness. Within this context, the role of the sea has been severely downplayed (if not completely ignored) by received scholarship. This conference aims at redressing this situation by focusing explicitly on the sea and its role and significance in various aspects of Japanese religious history. This conference is the first of its kind here in the United States. It brings together many of the leading experts on Japanese religious history, as well as some emerging young scholars, from several countries. By shedding new light on well-known aspects, but also by opening up entirely new areas of inquiry, this conference promises to become a first step toward a novel understanding of Japanese religion and culture in general. As an additional value to

this project, we plan to publish the papers presented at the conference in a collective volume, which will be the first book in English on the subject. Academic publishers have already expressed interest in this project.

The conference will take place over three days at the University of California, Santa Barbara. Participants will circulate their papers in advance, and at the conference they will briefly present their work and engage in discussion with the other participants. Topics to be addressed include: (1) Cosmology of sea religion and its differences from land- and mountain-based religiosities; (2) Decentered nature of sea religion, related to local cultic sites (Sumiyoshi, Munakata, Kashima, Itsukushima, etc.); (3) Networks of shrines, deities, and cults dedicated to sea deities, in Japan and across East Asia; (4) Sea deities (Sumiyoshi, Sukunabikona, Awashima.etc.): legends, cults, and rituals, and their transformations in time and place; (5) Religious systems and ritual calendar of fishing communities in Japan; (6) Critical evaluations of past scholarship on sea religion; (7) Role of the sea and its imagination in Japanese culture (as a space of mediation between the familiar and the foreign, this world and the other world). This conference will be a unique venue for scholars working on different aspects of Japanese religion and intellectual history to engage with a new theme and its related perspectives.

**RAMBELLI, FABIO, Principal Investigator**

Repositioning Shugendō: New Research Directions on Japanese Mountain Religion

Association for Asian Studies

SB170143/UCSB 20170895

05/01/17 – 12/31/17

\$5,000

This conference aims at reconsidering the study of Shugendō through a more general historico-religious perspective, in contrast with the currently dominant ethnological approach. The participants will discuss doctrinal and practical interactions between Shugendō and other religious traditions such as Onmyōdō (lit., “Way of Yin and Yang”), Shintō, and Esoteric Buddhism, in order to situate Shugendō within the broader Japanese religious mindscape. In particular, we will discuss the influence of Shugendō not only in relation to sacred mountains (as is usually done), but also to agricultural areas and urban centers. Moreover, we will problematize the nature of “mountain religion” in general as a complex set of diverse phenomena involving not only Shugendō specialists, but also members of other religious traditions and even non-affiliated laypeople. This will lead to a major reconfiguration of the sacred cultural geography of Shugendō. In detail, papers will focus on the following themes: (i) Visual, literary, and artistic strategies related to En no Gyōja, the legendary founder of Shugendō, as mechanisms of reinvention of the past and establishment of authority through texts, images, and symbols; (ii) sacred mountains located in peripheral areas such as Togakushi and Yudono, or Mt. Fuji (which was the place of practice for non-Shugendō mountain ascetics as well); (iii) networks involving Shugendō practitioners and other religious figures such as itinerant ascetics or lay members of religious confraternities (kō), as a way to bring to the fore the complex systems of alliances, competitions, and collaborations that always characterized Shugendō institutions.

**ROSSIN-SLATER, MAYA, Principal Investigator**

Special Analyses on the Effects of Paid Leave Policies

L&M Policy Research, LLC

UCALSB-PL-2014-01/UCSB 20141392 05/09/14 – 06/30/17

\$77,050

The goal of this research project is to review the existing evidence on paid family leave policies in the U.S., and to conduct novel research on outcomes and policies that have not yet been studied. More specifically, I will contribute to work on the following three tasks:

(1) Review of current state of knowledge on state paid parental leave laws: Three states have implemented paid parental leave laws: California, New Jersey, and Rhode Island. These programs are still fairly new, and relatively little is known about their impacts to date. We will therefore produce at least one policy brief that summarizes the current state of knowledge about these state paid parental leave laws and what their impact has been on leave utilization and duration, as well as other impacts on employers and employees. In addition, we will complete an updated analysis of the impact of California's paid parental leave law. Two studies to date have analyzed the impact of California's paid parental leave law on labor market outcomes such as leave utilization, employment, and earnings. Rossin-Slater, Ruhm, and Waldfogel (2013) analyzed the impact of the law using Current Population Survey data through 2010. Baum and Ruhm (2013) analyzed the impact of the law using data from the National Longitudinal Survey of Youth 1997 through 2010. It is possible that take-up of the law may have increased since 2010 and/or that longer-run effects may now be detected. Accordingly, we will update one or both of these analyses taking advantage of more recent waves of data.

(2) Analysis of the impact of RI's new paid leave law: Rhode Island's law came into effect in January 2014. A baseline survey of employers in Rhode Island and two neighboring states (Connecticut and Massachusetts) was administered in December 2013 by a group led by Bartel, Rossin-Slater, Ruhm, and Waldfogel. The survey is scheduled to be re-administered in late fall 2014 to gather data on how employer provisions and experiences have changed in the year since the law came into effect. Analysis of the data will shed light on baseline vs. post-law results in Rhode Island and the other two states.

(3) Analysis of paid leave effectively (but not explicitly) provided through other programs: New Jersey, Rhode Island and two other states, have Temporary Disability Insurance (TDI) programs that, under a Supreme Court decision, have the effect of providing paid leave to women during a portion of their pregnancy and after childbirth. Currently, we know little about how the effects of paid leave provided in this way are similar to or different from that provided explicitly through paid family leave programs. We therefore propose to extend the Rossin-Slater et al. (2013) analysis of paid leave in California to consider the effects of California's TDI program, as well as the other four states offering TDI, to examine how the provision of TDI affects leave-taking and how these effects are similar or different from those of explicit paid family leave. This analysis is particularly important since all three of the states that have implemented paid parental leave laws have TDI laws.

**ROSSIN-SLATER, MAYA, Principal Investigator**

Early Childhood Environment and Adult Labor Market Outcomes: Evidence from Administrative Data

National Bureau of Economic Research, Inc.

36200.00.02.00-7700/

UCSB 20160493

05/01/16 – 04/30/17

\$14,397

PI Rossin-Slater will hire one graduate student research assistant for one quarter of work (at 49% time) in each of the two remaining years of the project. The research assistant will help with data collection, cleaning, coding, and analysis. The research assistant will report directly to PI Rossin-Slater.

**ROYER, HEATHER, Principal Investigator**

The Impact of Community Health Centers on Access to Care and Health Outcomes

University of Michigan

3002531057/UCSB 20170165

07/24/12 – 05/31/18

\$253,850

Heather Royer will take lead in the contemporary analysis of community health centers. She will also collaborate on the more historical analysis of community health centers. Given her background, her primary efforts will be aimed at using the regression kink design for the contemporary analysis of the impact of community health centers. Her work will involve understanding and then implementing studies based on historical survey data from the Office of Economic Opportunity as well as implementing research studies based on a regression kink design using current CHC funding rules. In the near term, the deliverables include (1) the preparation of an application to access the Census Research Data Centers (RDCs) at the University of Michigan and USC in order to access the Detailed Natality and Multiple Cause of Death Vital Statistics data and the restricted National Health Interview Survey data, (2) to characterize the data and measures contained in the 11-city OEO surveys and (3) to conduct preliminary analyses with these data. In year 2 I will use the OEO data to complete analysis by race, age-group, income, and insurance status of: sources of care, medication utilization (including separate measures of over-the-counter and prescription drug use), a range of test and treatments (including x-rays, spinal taps, operations on the heart, immunizations for those under age 14, dental care, etc.). In years 2 and 3, I will conduct analysis of more recent effects of CHCs on health care access using the NHIS data at USC’s RDC. Years 4 and 5 will be dedicated to the write-up of our final results.

**ROYER, HEATHER, Principal Investigator**

The Penn Roybal Center on Behavioral Economics and Health

University of Pennsylvania

566604/UCSB 20151120

07/01/15 – 05/31/17

\$39,704

The Project's specific aims are to:

1. Estimate the treatment effect of both the standard monetary incentive and the endowment-effect incentive relative to a control in terms of the fraction of members using the gym over time.



2. Test whether the endowment-effect treatment increases the fraction of participants meeting the program gym-use goals relative to a standard treatment with the same monetary value.
3. Estimate the size of a standard monetary incentive that is expected to generate the same success rate as the endowment-effect incentive.

**SCHNEIDER, BETH, Principal Investigator**  
**OLIVER, MELVIN, Co-Principal Investigator**

The UCSB McNair Scholars Program  
 SBEVC/SBEGFT

07/01/16 – 06/30/17

\$220,196

The UCSB McNair Scholars Program is fully funded by the offices of the Executive Vice Chancellor, the Letters of Sciences Executive Dean, and the L&S divisional deans, with commitments to continue through the end of September 2018. The McNair team will enter the national competition for federal support from the Department of Education in its next funding cycle in 2017. The McNair team also secured a gift from Edison that supports research activities of low-income STEM students.

The goals of the UCSB McNair Scholars Program remain consistent with the national program, despite lack of current funding from the Department of Education. The program is intended to promote entrance into doctoral studies for first-generation, low-income undergraduates and/or students under-represented in graduate study. The program remains available for students in all majors on the UCSB campus. Students in the McNair Scholars Programs have the opportunity to undertake two years of faculty mentored research and participate in seminars and workshops, which prepare students for entrance to graduate school.

The UCSB-specific goals for the recipients of the McNair Scholarships include: 100% of McNair Scholars participating in a minimum of one faculty mentored research experience; 100% of McNair participants presenting their research at a minimum of two research symposia; 100% of active McNair participants in their senior year applying to post-baccalaureate programs prior to receiving their bachelor's degree; 75% of bachelor degree recipients enrolling in a post baccalaureate program by the fall term of the academic year immediately following completion of their degree.

**SCHREIBER, KATHARINA, Principal Investigator**  
**KERCHUSKY, SARAH, Co-Principal Investigator**

Doctoral Dissertation Improvement Grant: Local Socioeconomic and Political Development in a Context of Imperial Expansion, Nasca-Wari Interactions at the site of Zorropa, Peru  
 National Science Foundation

BCS-1441840/UCSB 20141116

08/01/14 – 07/31/16

\$25,006

Empires use strategies that are tailored to local socio-political and economic circumstances to expand their territory and consolidate new peoples and regions. Investigating the local circumstances (i.e., the historically contextualized local cultural practices, sociopolitical organization, and economic practices and organization) is therefore integral to a study of

imperial interaction. The proposed project will investigate the impact of imperial encroachment on local cultural, political, and economic practices during the Middle Horizon (AD 750–1000) at a local habitation site Zorropata, located in the Las Trancas Valley in Nasca, Peru.

A 10-month program of archaeological survey, excavation, and analysis is proposed to investigate Nasca-Wari interactions during the Middle Horizon from a local perspective. Nasca culture developed in the arid Nasca and Ica Valleys during the Early Intermediate Period (EIP) (AD 1–750). In the Southern Nasca Region (SNR), the Wari Empire established three colonies, Pacheco, Pataraya, and Inkawasi in the northernmost valley, Nasca, and its two tributaries, Aja and Tierras Blancas, at the beginning of the Middle Horizon. Concomitant shifts in settlement patterns resulted in the majority of the local population relocating away from the Wari in the southernmost valley, Las Trancas. Settlement patterns from Las Trancas indicate increased stratification with the development of a hierarchical arrangement of sites. Zorropata is one of the largest Middle Horizon habitation sites (c. 30,000 m) in the Las Trancas Valley. Identified as a domestic site with a ceremonial function and a possible second-tier center this site is well suited for an investigation of imperial interaction from a local perspective. It has the potential to provide data on domestic life and economic activities and as a second-tier center, if Las Trancas communities interacted with the Wari this site may be a point at which that interaction occurred.

**SMITH, STUART TYSON, Principal Investigator**

Collaborative Research: Impact And Accommodation Through Cultural Contact

National Science Foundation

BCS-1359496/UCSB 20140181

08/01/14 – 07/31/17

\$194,185

This project at the Third Cataract of the Nile in Sudanese Nubia investigates the impacts of Egypt's New Kingdom Empire (c. 1500-1050 BC) on the Nubian Kerma Culture and their interactions and entanglements with the colonists who settled at Tombo. The combination of Egyptian and Nubian sites at the cataract provides an opportunity to assess the cultural dynamic of Egypt's colonization. This proposal builds on previous excavation in the cemetery at Tombo, moving forward by situating the site and its ancient inhabitants within a larger cultural and biological landscape. This will allow for a comparison of the impacts on health and identity before and after the conquest and colonization of the area. The work funded by this proposal will explore the relationship between Egyptians and Nubians during the New Kingdom through excavation: 1) within the elite pyramid field in the cemetery, following up a geophysical survey; 2) in the previously unexplored settlement, which lies beneath the modern village of Tombo; 3) at a Kerma settlement and cemetery nearby at Hannek and Akkad. This project replaces older acculturation theory with a model of cultural entanglement that takes into consideration the agency of both indigenous and intrusive groups. Archaeology will be combined with a multi-disciplinary bioarchaeological approach, making possible a comparison of cultural entanglements through a study of material culture and social practices with biological affinities, geographic origins, and indications of health and disease. This research project will address these questions through three seasons of archaeological fieldwork, with additional

laboratory and statistical analyses at Purdue University and the University of California, Santa Barbara.

**SMITH, STUART TYSON, Co-Principal Investigator**

**AKMENKALNS, JESSIKA, Co-Principal Investigator**

Doctoral Dissertation Research: Exploring Cultural Identity in the Ancient Nubian Hinterlands Before and After Egyptian Conquest

National Science Foundation

1559913/UCSB 20160190

01/01/16 – 12/31/17

\$25,200

This project will investigate colonial interactions between the ancient Egyptian state and the Nubian kingdom of Kerma (ca. 2500-1000 BC) in the northern part of Sudan. The period in question is characterized by stages of political unrest in which both states vied for control of the region. Such contexts are often characterized by distinct shifts in the ways local groups assert their cultural identities (Jones 2007; Smith 1995, 2003). Many scholars have assumed that colonial encounters necessarily result in the widespread assimilation of indigenous groups into the cultural practices of the colonizer. Increasingly, however, researchers eschew this perspective, arguing that such assumptions overlook several crucial aspects of colonial interactions: 1) that these interactions occur not as isolated episodes but as long-term processes of entanglement; 2) that a colonizer-colonized dichotomy does not exist in every colonial setting, and 3) that culture change is multidirectional and transforms participants in colonial processes diverse ways.

This project adopts the latter approach, investigating these conditions at the sites of Hannek and Abu Fatima at the Third Cataract of the Nile River in northern Sudan. Data from these sites will allow for a diachronic settlement and mortuary perspective that spans the Kerma period and a more thorough reconstruction of rural lifeways. The project is therefore well suited to examining identity markers in both varying contexts during the period when Kerma controlled the region, and also during the subsequent Egyptian colonial period. Identities can be expressed through personal adornment, foodways, decorative motifs, architectural styles and construction techniques, and ceramic and lithic styles and production methods. The proposed research is therefore poised to provide insight into the ways long-term colonial entanglements influenced local conceptualizations of identity in the Kerma hinterlands.

A two-month program of targeted excavation will be executed in the settlement at Hannek and the cemetery at Abu Fatima. Specifically, these excavations will generate data in the form of ceramics, lithics, faunal and botanical remains, tools, jewelry, human remains, and domestic, public, and funerary architecture. An additional ten months of data analysis will be conducted in the field laboratory in Sudan and at the Nubian and Egyptian Archaeology Laboratory at the University of California, Santa Barbara.

**STOKES, LEAH, Principal Investigator**

Evaluating Water Conservation Policy and Testing New Conservation Messages in California

UC Agriculture and Natural Resources

SA15-2997-CA373B/UCSB 20170448 03/01/17 – 02/28/18

\$14,992

Over the past two years, California required urban water districts to aim to conserve 20% of their water resources, compared to a 2013 baseline. While some districts were very successful, saving up to 50%, others failed to meet the target. What explains variation in California urban water district's water conservation success between June 2014 and March 2016, when state-wide mandatory water reduction was in effect? I will use an original monthly panel data set, which integrates with the State Water Resources Control Board monthly consumption data, to examine how variation in policy – pricing, messaging, penalties – and drought severity affected water conservation across districts.

The analysis involves both comparing across water districts, to explain the relationship between policy variation and water conservation success, as well as looking within districts, to examine how policy changes over time in a given district can explain conservation change in that district. Given rebounding consumption rates since the 20% target was lifted, this research will also examine which policies are associated with longer-term, sustained water conservation behaviors.

**THÉBAUD, SARAH, Principal Investigator**

Gender Inequality in Entrepreneurship

Ewing Marion Kauffman Foundation

20150494/UCSB 20151379

08/01/15 – 07/31/18

\$35,000

This grant funds a series of studies on the topic of gender inequality in entrepreneurship. A first set of studies focuses on identifying how cultural beliefs about gender affect individuals' perceptions of new business startup ideas. Specifically, I am conducting social psychological experiments (via Amazon's online "Mechanical Turk" platform) that evaluate how systematic gender bias in individuals' first impressions of entrepreneurial business ideas may be mitigated under certain social conditions, such as when there is less uncertainty about an entrepreneur's background and qualifications, when there is no gender information available, or when there are more resources available to investors. I also plan to evaluate whether respondents' chances of recommending a female-led business for advancement to a second round of competition for investment differs depending on how many entrepreneurs they are able to select as competition finalists.

In a second set of studies, I am investigating the theoretical pathways through which gendered features of the institutional and social context affect men's versus women's interest and intention to start a business. This includes a series of experiments that measures individuals level of interest in starting a business, as well as their rationale for such interest (or lack thereof), while manipulating the institutional conditions under which they are asked to respond. For instance, to evaluate the theory that policy context matters, some participants will be asked to state their level of interest in starting a business under

the assumption that paid family leave and subsidized childcare are available to them, whereas others will not be given any information about such policies. To evaluate the theory that normative context matters, some participants will be asked to respond after reading a vignette that frames entrepreneurship as a male-dominated endeavor, whereas others will read a vignette that explicitly dissociates entrepreneurship from gender. I may also conduct some interviews with local men and women entrepreneurs to gain more insight into the work, family, and personal situations that motivated them to start a business in the first place.

**TYBURCZY, JENNIFER, Principal Investigator**

Binational Museum Exhibition of Women Artists in the US and Mexico

UC MEXUS

SB160038/UCSB 20160176

09/01/15 – 08/31/16

\$1,500

The project involves the implementation of two art exhibitions, one in Mexico City and the other in San Francisco, with the aim of promoting binational and cross-cultural exchange between female-identified artists in Mexico and the United States. Six Mexico-based artists and six US-based artists with Latin American heritage will display works that fit within the genre of portraiture and the exhibition theme of "Volver Atrás...y redimensionar de nuevo" (looking back, redefining/resizing anew). Twenty-first century conceptualizations of portraiture as viewed from a female and feminist perspectives on both sides of the border serve as the cultural bridges and topics of dialogue between the twelve artists. The curatorial exercise will be implemented by artist Susana GO and Jennifer Tyburczy, assistant professor of Feminist Studies at UCSB, Santa Barbara in coordination with Gisela H. Muciño and Mauricio Galguera. In October 2015, GO, Tyburczy, Muciño, and Galguera will gather to plan the exhibition in Mexico City at the Casa Frissac in Tlalpan, Mexico City.

**VANDERWARKER, AMBER, Principal Investigator**

**BIWER, MATTHEW, Co-Principal Investigator**

Doctoral Dissertation Research: Cuisine, Colonialism, and Culture Contact: An Analysis of Paleoethnobotanical Remains in the Wari Empire (AD 600-1000)

National Science Foundation

1634065/UCSB 20160849

06/01/16 – 01/31/18

\$12,940

Culture contact between imperial colonists and indigenous peoples is a process of negotiation where all sides contribute to the interaction. The goals of this project are to evaluate: (1) the ways in which food signaled the identities of colonists of the Middle Horizon Wari Empire (AD 600-1000) of Peru and indigenous Huaracane peoples of the Moquegua Valley, Peru, and (2) how food served as a medium for culture contact between these groups. As the first Empire of the Andes, predating the Inca Empire by around 400 years, the Wari Empire has been the subject of intense archaeological research for the past 40 years. However, we know relatively little of the identities Wari peoples, and many questions remain as to how Wari colonists interacted with the diverse array of ethnic groups they met as their empire expanded. Wari sites in the Ayacucho heartland and in the colonies provide preliminary evidence for a shared Wari cuisine (see Sayre et al. 2012), though archaeologists have yet to compare foodways throughout the empire. Additionally,

while previous studies have focused on how and why Wari colonists expanded and interacted with new ethnic groups within their empire (e.g., Belisle 2015; Covey et al. 2013; Isbell 2006, 2008; Jennings 2010; McEwan 2005; Scrieber 1992; Tung 2012), food has yet to be considered as a medium through which Wari colonists could have interacted with local peoples.

This project will include paleoethnobotanical data from: (1) the Wari heartland in Ayacucho; (2) Wari colonies in the Moquegua and Cuzco Valleys; and (3) an indigenous Huaracane site that both predates and is coeval with Wari incursion in Moquegua. Data from these locales will allow us to: (a) establish which plant foods were part of colonial and indigenous diets; (b) examine how plant foods can be used to differentiate identity and class within these communities; and (c) evaluate the ways cuisine can be a medium of culture contact between colonists and indigenous peoples. This project will include macro and microbotanical analysis from multiple social contexts in Wari and Huaracane sites in the Moquegua and Cuzco Valleys to ensure a comprehensive representation of different socioeconomic classes at the sites. These regions are well-suited for investigating culture contact between Wari and indigenous peoples due to the presence of Wari administrative centers in both Moquegua and Cuzco and a coeval indigenous Huaracane site located near Cerro Baul in Moquegua. Comparing two Wari sites located in separate regions of the Empire, when related with extant paleoethnobotanical data from the Ayacucho heartland, will allow for the characterization of Wari cuisine. Additionally, comparing Wari cuisine to an indigenous site in Moquegua dating prior to and during Wari incursion will provide a baseline for foodways before and during local contact with Wari colonists where local identities through food and exchanges of culinary practices may be observed.

**VESPA, EMANUEL, Principal Investigator**

Learning in Bayesian Games: An Exploration in the Laboratory

UCSB: ISBER Social Science Research Grant Program (SSRGP)

SS18VE

07/01/16 – 06/30/17

\$6,000

Game theory is a mathematical tool that is used to represent strategic situations and predict behavior. When one player does not know how choices made in the game affect the payoffs of other players, the game is referred to as a “Bayesian game.” The theoretical literature on learning in Bayesian games has modeled how agents can, using experience, learn aspects of the game that they do not initially know. The predictions of where the learning process eventually evolves depend on how agents learn and how agents interact with each other. While not fully knowing the structure of the game better accommodates most of the economic environments that the theory wants to capture, there is little empirical evidence on whether learning is consistent with the theory and on where it eventually leads. In the project described in this proposal I present an experimental design to test some of the key predictions of the theory of learning in Bayesian games. I start by providing some theoretical background, and then I describe the main comparison I would test in the laboratory. I also present several avenues for future research and my plan is to use the findings from this first proposal to write a broader proposal asking for monetary support from the National Science Foundation

**VESPA, EMANUEL, Principal Investigator**

An Exploration of Behavior in Dynamic Games

National Science Foundation

1629193/UCSB 20160733

09/01/16 – 08/31/18

\$192,882

In this project, we propose a series of experiments that will examine outcomes in dynamic strategic environments. Four sub-projects are proposed: i) an examination of how strategic uncertainty affects selection; ii) an examination of how team's and individual's behavior differ; iii) an examination of the information revealed by self-interested experts across an evolving relationship; and iv) an examination of the effects on behavior from the number of participants. In all four sub-projects, we construct a simple theoretical baseline environment, and modifications of it that isolate the relevant feature of interest. We then seek to use observed human subject behavior within these controlled environments to develop predictive selection criteria that can be exported to more general environments.

**WALKER, BARBARA, Principal Investigator**

Strengthening Team Science and Work-Life Satisfaction in the UC System

Elsevier Foundation

SG140065/UCSB 20160514

01/01/14 – 12/31/20

\$120,435

Collaborative, interdisciplinary, team science-based research has become increasingly central in scientific discovery. Team science garners more funding and yields more impactful research, greater publication productivity, and higher impact publications (Stokols et al. 2008; Falk-Krzesinski et al. 2011; Elfner, et al. 2011, Hall et al. 2012, Salazar et al. 2012). Having a strong network of collaborators and mentors is critical to a more productive and successful academic career (Hitchcock 1995, Bland et al. 2005). Yet, women are less likely to participate in team science collaborations, and their participation in these networks develops later in their careers (Kyvik and Teigen 1996, Fox and Mohapatra 2007, Joshi 2010, Malmgren et al. 2010, Bear and Woolley 2011, Misra et al. 2012). The delay of women's participation in team science is linked to the critical time of family formation which also accounts for the largest leaks in the pipeline between Ph.D. receipt and tenure for women faculty (Goulden et al. 2009, Mason et al. 2013). Despite the importance of research productivity to tenure and promotion in academia, there are few formal training and mentoring opportunities in team science and collaboration.

The UC Team Science Retreat will ameliorate these disparities among early- to mid-career women scientists (including non tenure-track and post-doctoral scholars) in the 10 campuses of the University of California (UC) system. We will execute a series of retreats over three years that build capacity for team science leadership, research design, and proposal writing among women researchers across STEM disciplines. The retreats will accommodate families and include child care, allowing participants to devote the time to initiate new research endeavors without being absent from their families or paying for child care. While the retreats will focus on issues facing women scholars, we will invite participation from multiple members of teams, including male members; this addition will create a climate of inclusion and will give women scholars the opportunity to address these issues with male colleagues in a supportive atmosphere. Greater work-life balance and

satisfaction will result for participants who can gain team science leadership skills, experience and productivity earlier in their careers.

The Key Activities of each 4-day retreat are: 1. Training to develop the capacity for team science as well as the leadership and management skills necessary to be an effective team leader and member. This training includes an understanding of the challenges and benefits of diverse scientific teams, strategies for recruiting team diversity and increasing women's participation and leadership roles in team science, team management best practices, and a better understanding of diversity and inclusion issues in academic settings as it relates to research productivity and recognition. 2. Intensive team science proposal development and grant writing workshops and 1:1 consultation. Workshops include identifying team science funding opportunities, understanding the differences between individual and larger collaborative proposals, developing specific proposal sections (introduction, conceptual framework and scope, theoretical orientation, methodology, budget), and crafting a unifying central theme and maintaining consistency in a complex proposal). Research development/team science and scientific writing experts will provide 1:1 consultations.

**WALKER, BARBARA, Principal Investigator**

ADVANCE PLAN IHE: Center for Research, Excellence and Diversity in Team Science (CREDITS)

National Science Foundation

1464064/UCSB 20150318

10/01/15 – 09/30/20

\$749,623

The Center for Research, Excellence and Diversity in Team Science (CREDITS) is an integrated research and training program to increase and enhance Team Science (TS) capacity, effectiveness, and excellence in California. Over the past two decades, TS-based research has become increasingly central in scientific discovery. Diversity on teams is known to have positive effects on creativity, innovation, and productivity. Apart from its contribution to scientific breakthroughs and grand challenge problems, TS has beneficial impacts on individual research careers. TS projects garner more funding, and yield greater publication productivity, and higher impact publications. Having a strong network of collaborators, mentors, and co-authors is critical to a more productive and successful academic career. However, women and URM scientists are less likely to participate in team science collaborations, and their participation in these networks develops later in their careers. This is linked to the critical time of family formation, negative perceptions of women and URM scientists, and decisions not to participate in TS because of awareness that credit for team work is more likely to accrue to White and male team members. CREDITS will forge collaborative relationships and partnerships among Hispanic Serving Institutions (HSIs) in the University of California (UC) and California State University (CSU) systems. The program is targeted to women faculty from all ladder ranks and researchers (non-tenure-track positions), with a focus on underrepresented minorities (URMs). The three interrelated core activities are: 1) Annual TS Leadership and Team Formation Retreats (Years 1-4); 2) TS and Institutional Change Training/Seminar for UC and CSU Leadership (Year 1-5); and 3) Evaluation and Research that will increase our knowledge about TS and diversity and inform CREDITS programming (Years 1-5). Through adaptive evaluation over the course of the program, we will expand and refine CREDITS programming



to fit a range of institutional types, in addition to potential differential needs based on gender, ethnicity, career stage, and other forms of difference and intersectionality.

**WALKER, BARBARA, Co-Principal Investigator**

**GUTIÉRREZ-JONES, Carl, Principal Investigator**

Opening New Doors to Accelerating Success (ONDAS)

U.S. Department of Education

P031S150021/UCSB20151248

10/01/15 – 09/30/20

\$2,624,366

The University of California – Santa Barbara, is a public, Hispanic-Serving, four-year degree granting institution that serves over 20,000 students. The service area includes high percentages of Hispanic populations and UCSB's student demographics are beginning to reflect this, with a 26% Hispanic population, 70% of students who receive financial aid, and 39% who are first-generation. This is a departure from the past, when UCSB students were more often from affluent families. To meet the unique needs of the institution's increasingly diverse and high need students, UCSB is proposing to develop ONDAS (Opening New Doors to Accelerating Success), a Title V activity that will help to eliminate many challenges identified at UCSB, including high probation rates in specific majors; lack of supportive services for students in targeted courses; lower GPA, first year retention, and completion rates for under-represented students; few training opportunities in alternative delivery methods for faculty; and student learning data that is collected from different systems that is not appropriately analyzed.

These problems were identified through a self-study and a review of several related documents. They will be addressed through new support activities that will enable UCSB to increase services to high-need students. The project will produce clear outcomes, addressed through three components: Component 1: First-Year Experiences; Component 2: Student Learning Analytics; and Component 3: Faculty Development.

**WALSH, CASEY, Principal Investigator**

Groundwater Use and Management in the Context of Globalized Agriculture and Climate Change

UC Mexus

SB150016/UCSB 20141029

07/01/14 – 12/31/16

\$13,558

Agriculture in North America is confronting a water crisis with both environmental and social drivers. Climate change and globalized agriculture are combining to increase the demand for groundwater and the depletion of aquifers. In this project we analyze the use and management of groundwater in two settings: the Central Coast region of California where wine grapes are grown, and the Rio Duero watershed in northwestern Michoacán that produces berries. Conflicts have emerged in recent years in both these settings as expanding agricultural production has led to increased demand for subsoil water. Despite the similarities, however, these two socio-environmental fields are quite different, and the practicalities and politics of provisioning water thus take quite different forms in each.

Scholars from El Colegio de Michoacan and UCSB will undertake a collaborative research program that asks the following questions: How is agribusiness organized? What environmental and social conditions make these regions attractive to agribusiness? How are water sources used in this agriculture? What is the legal/policy framework for water use? What social actors and institutions are involved in the production of high-value commodities? How do these actors participate in politics of water provisioning? What are the impacts of this agriculture on groundwater?

**WEBER, RENE, Principal Investigator**

Neurophysiology of Entertainment  
SevenOne Media

SB070058/UCSB 20070341                      11/01/06 – 12/31/21                      \$21,730

The SevenOne Media Research Award was granted for supporting my general research activities, which will comprise several different research projects in the media research arena. Particularly, but not exclusively, I will use the award money to support my “Neurophysiology of Entertainment” research program. In this line of research I am conducting a series of studies that are designed to explain and predict why people enjoy specific entertaining media messages of various entertaining media genres.

**WILLIAMS, RON, Principal Investigator**

AVSS Technical Assistance  
California Department of Health

11-10077/UCSB 20140582                      07/01/14 – 12/31/16                      \$749,031

The Health Data Research Facility provides information technology to hospitals, local health departments, and to the California Department of Public Health. This enables state and local health agencies to establish and maintain electronic databases containing all birth certificates that have been registered in California for over a decade. The databases are the source for the reporting of California vital events to the National Center for Health Statistics. Electronically matched infant birth and death certificates from AVSS are also the source of an annual "birth cohort file" that is used by researchers throughout the state.

**WILLIAMS, RON, Principal Investigator**

AVSS Technical Assistance  
California Department of Health

11-10077/UCSB 20161036                      07/01/11 – 06/30/19                      \$1,017,612

This amendment extends the contract for an additional 2.5 years; continues performance of a revised Scope of Work for six months of Year 6 plus Years 7 and 8; and increase the total budget to compensate the contractor for an additional 2.5 years. The primary objective of this project is to assure the continued flow of electronic birth certificate data from California hospitals to local registration districts (LRDS), from LRDS to the California Department of Public Health (CDPH), and from CDPH to agencies of the United States Government including the National Center for Health Statistics and the Social Security Administration. Secondly, to match electronic birth and infant death certificates, to

produce an electronic birth cohort file, and to assist UC Davis in the development of an enhanced version of AVSS and the transition of reporting functionality.

**WILSON, GREG, Principal Investigator**

**FRIBERG, CHRISTINA, Co-Principal Investigator**

Doctoral Dissertation Research: Cahokian Influence and Local Innovation: A Perspective from the Neighboring Lower Illinois River Valley

National Science Foundation

1614379/UCSB 20160452

06/01/16 – 12/31/17

\$25,100

The political expansion of complex societies is best understood when identity formation and shifts in daily practice are considered in tandem with economic relations and the negotiation of political alliances. The goals of the proposed project are to evaluate how and why the complex Mississippian polity of Cahokia extended its influence over the North American midcontinent, and the ways in which Woodland communities negotiated new identities and practices by participating in this process. Cahokia was the largest PreColumbian polity in North America and its inhabitants spread aspects of Mississippian culture as far north as the Red Wing locality in northwest Wisconsin and southeast Minnesota, some 800 km from Cahokia (Emerson 1991; Emerson and Pauketat 2008; Galloway 1989; Hall 1991; King 2007; Knight 2006; Stoltman 1991). However, little is understood about how Cahokians initiated these distant interactions, and how and why local groups participated in them. Settlements in the American Bottom region of southwestern Illinois show evidence of direct political and economic ties with the paramount center of Cahokia. Archaeological research in Cahokia's northern hinterland has further shown that the inhabitants of frontier settlements selectively adopted certain aspects of a Mississippian way of life, while maintaining a number of Woodland traditions (Bardolph 2014; Birmingham and Goldstein 2005; Delaney-Rivera 2000, 2004; Emerson 1991; Finney 1993; Friberg 2015; Millhouse 2012; VanDerwarker et al. 2013; Wilson 2011, 2012; Zych 2013). Negotiating contact with Cahokia had diverse outcomes in different regions. In order to understand variation in the nature of interactions in Cahokia's hinterland, this project focuses on both political and economic interaction and the social implications for identity and daily practice.

The Lower Illinois River Valley (LIRV), located on Cahokia's immediate northern periphery is well suited to this investigation of the Mississippianization process. The late 11th century and early 12th century Audrey site village (11Ge20) is targeted for excavation and analysis in order to determine (1) the inhabitants' social, political, and economic relationships with Cahokians and (2) how the LIRV's regional culture contact dynamic differed from that of other hinterland regions further north. This will be accomplished through an analysis and interregional comparison of craft production and exchange (political and economic interaction) in addition to household and community organization (daily practices) at the Audrey site.

**WILSON, GREG, Principal Investigator**  
**SANTY, JENNA, Co-Principal Investigator**

Doctoral Dissertation Research: Changing Household, Changing Community: A Case Study from Owens Valley, CA

National Science Foundation

1627005/UCSB 20160713

05/15/16 – 04/30/18

\$25,195

While much attention has been paid to why small communities change over time (i.e., causative forces), less has been paid to how these changes manifested across social and spatial dimensions. Scholars have argued that changes in resource availability, population packing, and territorial circumscription often contribute to changes in social organization (Price and Brown 1985; Arnold 1996; Kennett 2005). Archaeological research has revealed that such conditions often correlate with the formation of well-defined corporate kin groups who coordinate their everyday production and consumption activities (Ames 1994; Fitzhugh 2003; Gamble 2008; Habu 2004; Hayden 1998; Hayden and Cannon 1982). However, the material signatures of these actions can sometimes be difficult to detect. Furthermore, the impact of such conditions on social organization are not well understood within the contexts of predominantly sedentary groups with inherited leadership positions and land ownership (Eerkens 2010:73) that lack other characteristics (e.g., elaborated social hierarchy) that would merit a "complex hunter-gatherer" designation.

The Owens Valley in eastern California is an ideal place to study the aforementioned issues. Beginning roughly 650 years ago, the regional inhabitants became more densely populated and logistically sedentary, intensified their collection of seeds, and began to manufacture and use pottery containers more widely. These changes mark the transition between the earlier Haiwee period (1400-650 BP) and the later Marana period (650 BP-contact) in the region. The funding requested here would contribute to work for a dissertation project that will ultimately analyze changes in social organization and interaction, specifically targeting household and communities. Work will include analysis of existing collections from sites CA-INY-3806/H and -INY-8768, and excavation and analysis of collections from CA-INY-3904.



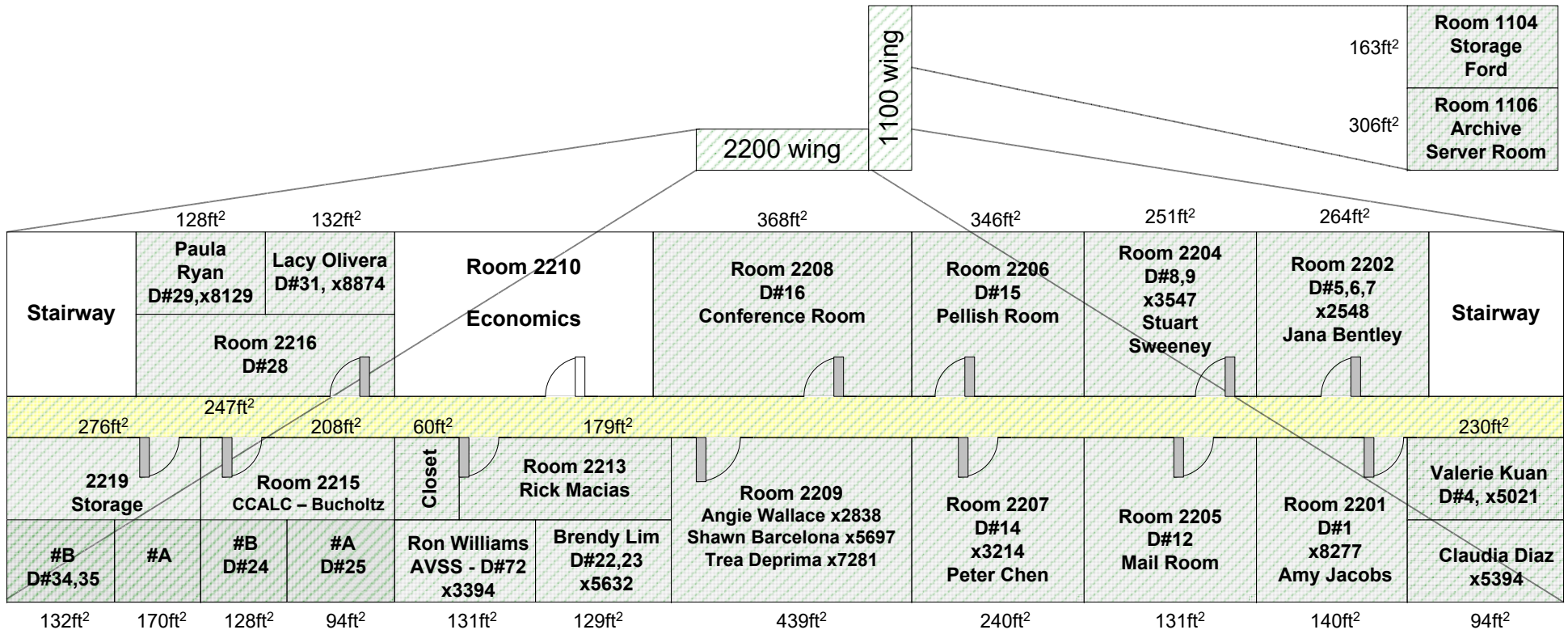
# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

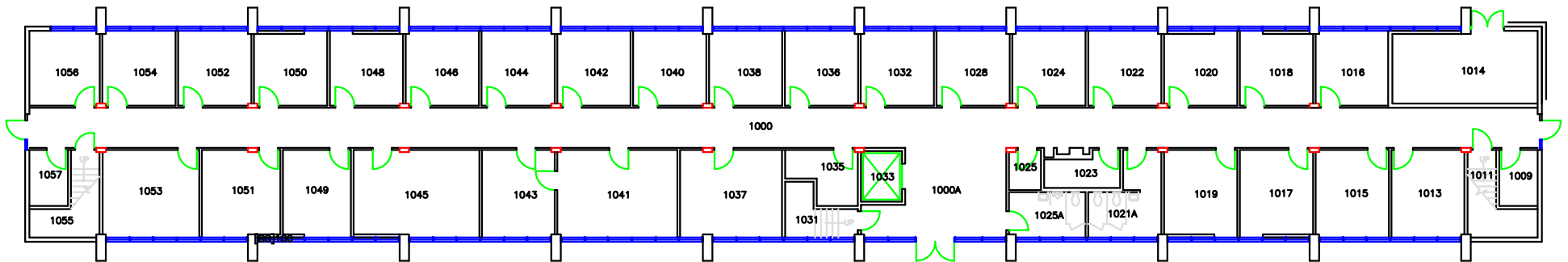
Space Allocation  
2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

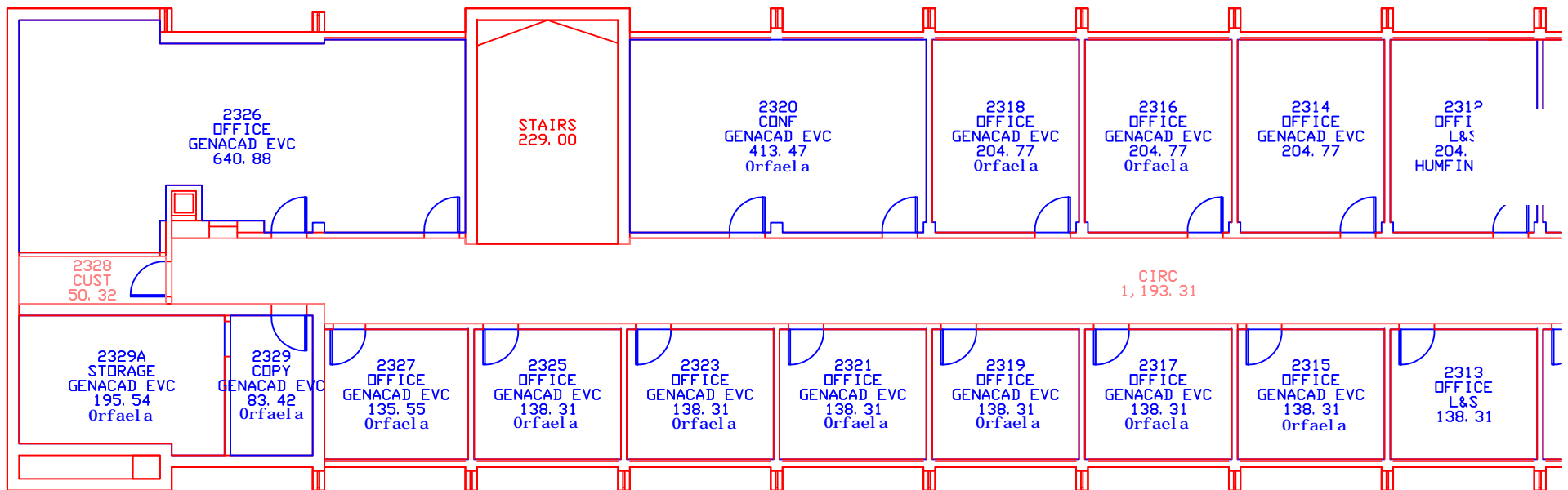
# ISBER North Hall 2200 & 1100 Wing



# North Hall 1000 Wing

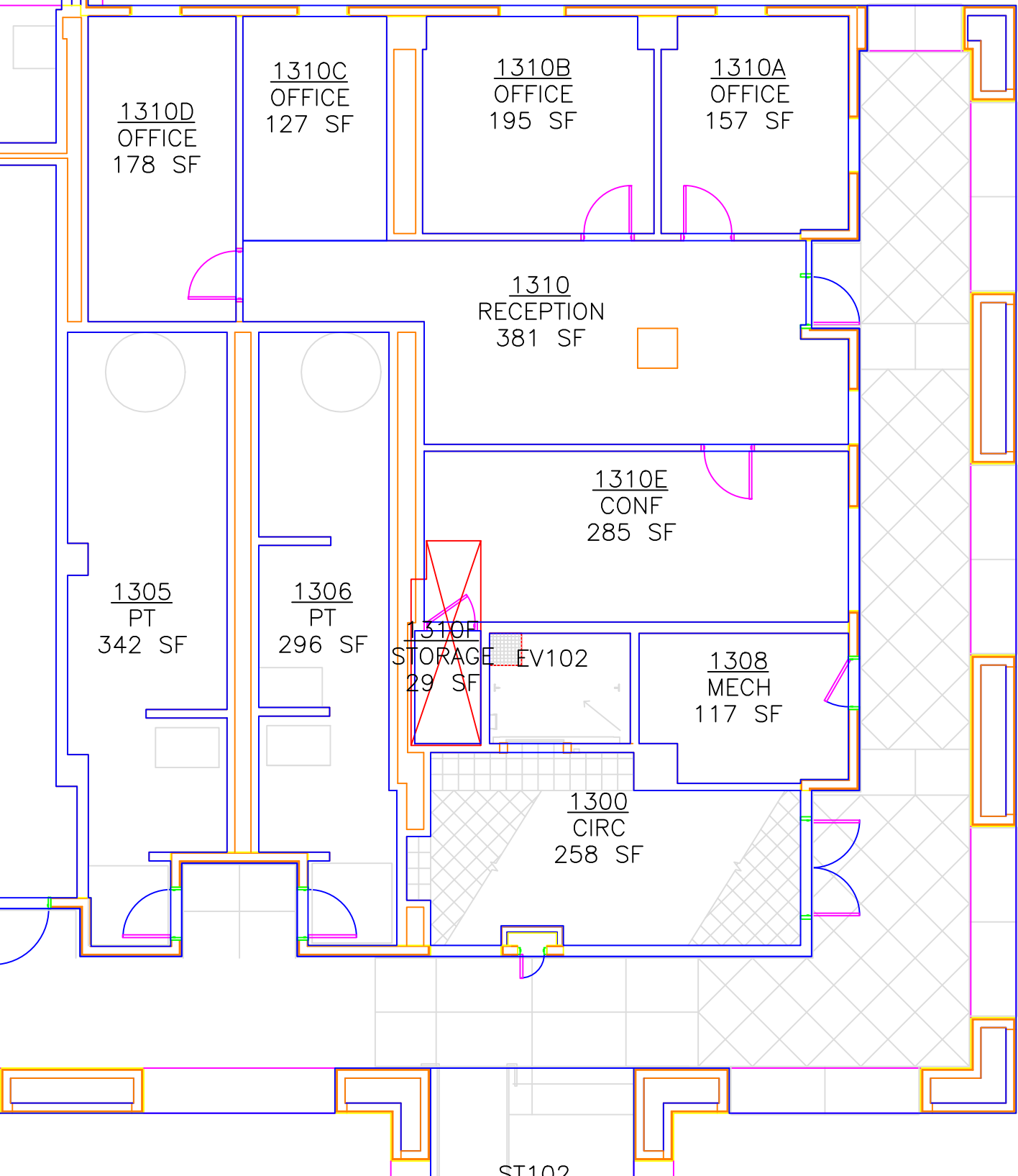


# Girvetz Hall





# SSMS Building





# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

## Publications & Presentations 2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

**PUBLICATIONS**  
**July 1, 2016 – June 30, 2017**

**ALAGONA, PETER**

Alagona, P. S. & Paulson, T. (Invited paper, forthcoming). From the Classroom to the Countryside: The University of California's Natural Reserve System and the Role of Field Stations in American Academic Life. In John Beardsley and Daniel Bluestone (Eds.), *Landscape and the Academy. Dumbarton Oaks series in Garden & Landscape Studies*.

**BUNTAINE, MARK**

Buntaine, M. T., Nielson, D. L. & Skaggs, J. T. (Working paper 41, submitted for publication). *Escaping the Valley of Disengagement: Two Field Experiments on Motivating Citizens to Monitor Public Goods*. AIDDATA, A Research Lab at William & Mary. [http://aiddata.org/sites/default/files/wps41\\_escaping\\_the\\_valley\\_of\\_disengagement.pdf](http://aiddata.org/sites/default/files/wps41_escaping_the_valley_of_disengagement.pdf)

**BUCHOLTZ, MARY**

Bucholtz, M. (2016). On Being Called Out of One's Name: Indexical Bleaching as a Technique of Deracialization. In H. S. Alim, J. R. Rickford, & A. F. Ball (Eds.), *Raciolinguistics: How Language Shapes Our Ideas about Race*. New York: Oxford University Press, pp. 273-290.

Bucholtz, M., Casillas, D. I., & Lee, J. S. (2016). Beyond Empowerment: Accompaniment and Sociolinguistic Justice in a Youth Research Program. In R. Lawson & D. Sayers (Eds.), *Sociolinguistic Research: Application and Impact*. New York: Routledge, pp. 25-44.

Casillas, D. I., Bucholtz, M., & Lee, J. S. (2016). Time to Lift Ban on Bilingual Education. Santa Barbara Independent, November 2, 2016. <http://www.independent.com/news/2016/nov/02/time-lift-ban-bilingual-education/>

Bucholtz, M., Casillas, D. I., & Lee, J. S. (2017). Language and Culture as Sustenance. In D. Paris & H. S. Alim (Eds.), *Culturally Sustaining Pedagogies: Teaching and Learning for Educational Justice in a Changing World*. New York: Teachers College Press, pp. 43-59.

Bucholtz, M., Casillas, D. I., & Lee, J. S. (Forthcoming). *Feeling It: Language, Race, and Affect in Latina/o Youth Learning*. New York: Routledge.

Bucholtz, M., Casillas, D. I., & Lee, J. S. (Forthcoming). California Latina/o Youth as Agents of Sociolinguistic Justice. In N. Avineri, L. R. Graham, E. J. Johnson, R. Riner, & J. D. Rosa (Eds.), *Language and Social Justice: Case Studies on Communication and the Creation of Just Societies*. New York: Routledge.

### **CASILLAS, DOLORES INÉS**

Cepeda, M. E., & Casillas, D. (2016). *Routledge Companion for Latina/o Media*. New York: Routledge Press.

Lee, J. S., Bucholtz, M., & Casillas, D. (2016). The Transformative Power of Heritage Languages in Youth-Centered Classrooms. In T. B. Peele-Eady & M. Correia (Eds.), *Integrating Home and Heritage Languages in Schools: Pedagogy and Promise*. New York: Routledge Press.

Bucholtz, M., Casillas, D., & Lee, J. S. (2016). Beyond Empowerment: Accompaniment and Sociolinguistic Justice in a Youth Research Program. In R. Lawson & D. Sayers (Eds.), *Sociolinguistic Research: Application and Impact*. London: Routledge.

Bucholtz, M., Casillas, D., & Lee, J. S. (2017). Language and Culture as Sustenance. In D. Paris & H. S. Alim (Eds.), *Culturally Sustaining Pedagogies: Teaching and Learning for Educational Justice in a Changing World*. New York: Teachers College Press.

### **CHARLES, MARIA**

Amaral, P.V. & Murray, A.T. (2016). Equity in regional access to renal dialysis in Brazil. *Regional Science Policy & Practice*, 8, 27-44.

Aukema, J., Pricope, N. G., Husak, G., & López-Carr, D. (2017). Biodiversity areas under threat: overlap of climate change and population pressures on the world's biodiversity priorities. *PLOS One*, <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0170615>.

Barrett, H.C., Bolyanatz, A., Crittenden, A., Fessler, D., Fitzpatrick, S., Gurven, M., Henrich, J., Kanovsky, M., Kushnick, G., Pisor, A., Scelza, B., Stich, S., von Rueden, C., Zhao, W., & Laurence, S. (2016). Small-scale societies exhibit fundamental variation in the role of intentions in moral judgment. *PNAS*, 113(17), 4688-4693.

Beal, T., & Ervin, D. (2017). The Geography of Malnutrition. *The Professional Geographer* (2017), 1-13.

Benza, M., Weeks, J. R., Stow, D. A., López-Carr, D., Clarke, K. C. (2016). A pattern-based definition of urban context using remote sensing and GIS. *Remote Sensing of Environment*, 183, 250-264.

Benza, M., Weeks, J. R., Stow, D. A., López-Carr, D., & Clarke, K. C. (2017). Fertility and Urban Context: A case study from Ghana, West Africa, using remotely sensed imagery and GIS. *Population, Space and Place*.  
<http://paa2015.princeton.edu/uploads/152495>.

Blackwell, A. D., Trumble, B. C., Maldonado Suarez, I., Stieglitz, J., Beheim, B., Snodgrass, J. J., Kaplan, H., & Gurven, M. (2016). Immune Function in Amazonian Horticulturalists. *Annals of Human Biology*, 43(4), 382-396. DOI: 10.1080/03014460.2016.1189963.

Blackwell, A. D. (2017). Expanding the Insurance Hypothesis of Obesity with Physiological Cues (Commentary on Nettle, Andrews, and Bateson, "Food insecurity as a driver of obesity in humans: The insurance hypothesis"). *Behavioral and Brain Sciences*. 40, e108. DOI: <https://doi.org/10.1017/S0140525X16001333>.

Blackwell, A. D., Urlacher, S. S., Beheim, B., von Rueden, C., Jaeggi, A., Stieglitz, J., Tumble, B. C., Gurven, M. D., & Kaplan, H. (2017). Growth References for Tsimane Forager-Horticulturalists of The Bolivian Amazon. *American Journal of Physical Anthropology*, 162(3), 441-461. DOI: 10.1002/ajpa.23128.

Blodorn, A., Major, B., Hunger, J.M. & Miller, C.T. (2016). Unpacking the psychological weight of weight stigma: A rejection-expectation pathway. *Journal of Experimental Social Psychology*, 63, 69-76. doi:10.1016/j.jesp.2015.12.003.

Blodorn, A., Major, B. & Kaiser, C. (in press). Perceived discrimination and poor health: Accounting for self-blame complicates a well-established relationship. *Social Science and Medicine*.

Blodorn, A. & Major, B. (in press). Stigma. In H. Miller (Ed.), *Encyclopedia of Theory in Psychology*.

Brooks, T., Roy-Burman Bloch, A., Tuholske, C., Busch, M., Bakkour, S., Stone, M., Linnen, J. M., Gao, K., Coleman, J., & Bloch, E. 2017. Real-Time Evolution of Zika Virus Disease Outbreak, Roatán, Honduras. *Emerging Infectious Disease-CDC*, 23(8).

Cassels, S., & Camlin, C. S. (2016). Geographical Mobility and Heterogeneity of the HIV Epidemic. *The Lancet HIV*, 3(8), e339-e341. Published online first July 8 2016.

Cassels S., Jenness, S. M., Biney, A. A. E., Ampofo, W. K., Dodoo, F. N. (Forthcoming). Migration, Sexual Networks, and HIV in Agbogbloshie, Ghana. *Demographic Research*.

Charles, M. (2017). Venus, Mars, and Math: Gender, Societal Affluence and Eighth Graders' Aspirations for STEM. *SOCIUS*, 3, 1-16.

Charles, M. & Thébaud, S. (Eds). (Forthcoming). *Gender and STEM: Understanding Segregation in Science, Technology, Engineering and Mathematics*. Basel: MDPI Press. (Also published as a special issue of Social Sciences journal, 2017, [http://www.mdpi.com/journal/socsci/special\\_issues/gender\\_and\\_STEM](http://www.mdpi.com/journal/socsci/special_issues/gender_and_STEM))

Charles, M. & Lopez, A. (Forthcoming). The Sexual Division of Labor. In B. S. Turner, C. Kyung-Sup, C. Epstein, P. Kivisto, W. Outhwaite, & J. M. Ryan (Eds.), *Encyclopedia of Sociological Theory*. Wiley-Blackwell.

Charness, G., Rigotti, L. & Rustichini, A. (2016). Social Surplus Determines Cooperation Rates in the One-shot Prisoner's Dilemma. *Games and Economic Behavior*, 100, 113-124.

Charness, G., Cobo-Reyes, R. & Sánchez, A. (2016). The Effect of Charitable Giving on Workers' Performance: Experimental Evidence. *Journal of Economic Behavior and Organization*, 131, 61-74.

Charness, G., Gneezy, U. & Sheets, B. (2016). Experimental Methods: Pay one or Pay All. *Journal of Economic Behavior and Organization*, 131, 141-150.

Charness, G., Cobo-Reyes, R., Lacomba, J., Lagos, F. & Perez, J. M. (2016). Social Comparisons in Wage Delegation: Experimental Evidence. *Experimental Economics*, 433-459.

Charness, G., & Viceisza, V. (2016). Comprehension and Risk Elicitation in the Field: Evidence from Rural Senegal. *Review of Behavioral Economics*, 3, 145-171.

Charness, G., Brandts, J. & Ellman, M. (2016). Let's Talk: How Communication Affects Contract Design. *Journal of the European Economic Association*, 14, 943-974.

Charness, G., & Ellman, M. (2016). Choosing and Not Choosing with and without Communication: Experimental Results on Contract Design and Selection. *Journal of Institutional and Theoretical Economics*, 172, 142-157.

Charness, G., & Chetan, D. (2017). Confirmation Bias with Motivated Beliefs. *Games and Economic Behavior*, 104, 1-23.

Charness, G., & Villeval, M. C. (2017). Preserving Rank as a Social Norm. *Nature Human Behaviour*, 1(7), Article 0137.

Charness, G., Cobo-Reyes, R., Jiménez, N., Lacomba, J. & Lagos, F. (2017). Renewable Dismissal Barriers, Job Security, and Long-term Investment. *European Economic Review*, 95, 195-214.

- Charness, G., Alekseev, A. & Gneezy, U. (2017). Experimental Methods: When and Why Contextual Instructions May be Important. *Journal of Economic Behavior and Organization*, 134, 48-59.
- Charness, G. & Shmidov, V. (Forthcoming.) Trust and Reciprocity. *Foundations and Trends in Microeconomics*.
- Charness, G., Feri, F., Meléndez-Jiménez, M., & Sutter, M. (Forthcoming). Experimental Games on Networks: Underpinnings of Behavior and Equilibrium Selection. *Econometrica*.
- Charness, G. (Forthcoming). Communication in Bargaining Experiments. *Handbook of Conflict Resolution*.
- Charness, G. & DeAngelo, G. (Forthcoming). Law and Economics in the Laboratory. *Research Handbook on Behavioral Law and Economics*.
- Charness, G., & Halladay, B. (Forthcoming). Behavioral Economics and Experimental Economics: Cousins but not Twins. *Journal of Behavioral Economics for Policy*.
- Charness, G., & Holder, P. (Forthcoming). Charity in the Laboratory: Matching, Competition, and Group Membership. *Management Science*.
- Charness, G., Rustichini, A., & van de Ven, J. (Forthcoming). Self Confidence and Strategic Behavior. *Experimental Economics*.
- Chatillon, A. H., Charles, M. & Bradley, K. (Forthcoming). Gender Ideology. In B. J. Risman, C. Froyum & W. Scarborough, (Eds.), *Handbook of the Sociology of Gender*. NY: Springer.
- Coall, D., Tickner, M., McAllister, L., & Sheppard, P. (2016). Developmental influences on human fertility decisions: An evolutionary perspective. *Philosophical Transactions B*.
- Conners, E. E., Vinetz, J. M., Weeks, J. R., & Brouwer, K. C. (2016). A global systematic review of Chagas disease prevalence among migrants. *Acta Tropica*.
- Cornick, J. E. & Blascovich, J. (In press). Consequences of Objective Self-Awareness During Exercise. *Health Psychology Open*.
- Coulter, L., Stow, D. A., Tsai, Y-H., Ibanez, N., Shih, H., Kerr, A., Benza, M., Weeks, J. R., & Mensah, F. (2016). Classification and assessment of land cover and land use change in southern Ghana using dense stacks of Landsat 7 ETM+ imagery. *Remote Sensing of Environment*.

- Crook, S., An, L., Weeks, J. R. & Stow, D. A. (2016). Latent Trajectory Modeling of Spatiotemporal Relationships between Land Cover and Land Use, Socioeconomics, and Obesity in Ghan. *Spatial Demography*.
- Davenport, F., Steigerwald, D., & Sweeney, S. (2016). Open trade, price supports, and regional price behavior in Mexican maize markets. *Economic Geography*, 92(2), 201–225. A
- Deschenes, O. & Currie, J. (2016). Children and Climate Change: Introducing the Issue. *Future of Children*, 26(1), 3-9.
- Deschenes, O., Barreca, A., Clay, K., Greenstone, J., & Shapiro, J. (2016). Adapting to Climate Change: The Remarkable Decline in the U.S. Temperature-Mortality Relationship over the 20th Century. *Journal of Political Economy*, 24(1).
- Deschenes, O., Gaines, S., & Larsen, A. (Forthcoming). Spatiotemporal Variation in the Relationship Between Landscape Simplification and Insecticide Use. *Ecological Applications*.
- Dover, T., Major, B., & Kaiser, C.R. (2016). Members of high-status groups are threatened by pro-diversity organizational messages. *Journal of Experimental Social Psychology*, 62, 58-67. doi:10.1016/j.jesp.2015.10.006.
- Dover, T., Kaiser, C.R. & Major, B. (2016). Diversity policies don't make organizations fairer and they threaten white men. *Harvard Business Review*. Retrieved from <https://hbr.org/2016/01/diversity-policies-dont-help-women-or-minorities-and-they-make-white-men-feel-threatened>.
- Ellis, C., Foran, J. & Gray, S. (Forthcoming). The New Political Cultures of Opposition and Creation in the Global Youth Climate Justice Movement. In B. Taylor, U. Münster, & J. Witt (Eds.), *Ecological Resistance Movements in the 21st Century: The Continuing Global Struggle for Biocultural Survival and Multispecies Justice*.
- Ervin, D. & Lopez-Carr, D. (in press). An Evaluation of Serious Games and Computer Based Learning on Student Outcomes in University Level Geographic Education. *The European Journal of Geography*.
- Ervin, D., Tuholski, C., & Lopez-Carr, D. (in press). Hunger: Poverty, Inequality, and Vulnerability. In P. Joassart-Marcelli & F. Bosco (Eds.), *Food and Place: A Critical Exploration*. Washington, DC: Rowman and Littlefield.
- Ervin D., Tuholske, C., & López-Carr, D. (in press). The Geography of Malnutrition. in In P. Joassart-Marcelli & F. Bosco (Eds.), *Food and Place: A Critical Exploration*. Washington, DC: Rowman and Littlefield.



Ervin, D., Hamilton, E. & López-Carr, D. (in press). Special Issue on Migration and Health. *International Migration*.

Ervin, D., Hamilton, E. & López-Carr, D. (in press). Blessed be the Ties: Health and Healthcare for Migrants and Migrant Families in the United States. *International Migration*.

Ervin, D., Hamilton, E. & López-Carr, D. (in press). Vulnerability and Resilience: Health, Health Care, and Health Research of Migrants. *Journal of Ethnic and Migration Studies*.

Feng, X. & Murray, A. T. (2017). Spatial analytics for enhancing street light coverage of public spaces. *LEUKOS*. DOI: 10.1080/15502724.2017.1321486.

Fessler, D.M.T., Holbrook, C., Kanovsky, M., Barrett, H.C., Bolyanatz, A.H., Gervais, M.M., Gurven, M., Henrich, J., Kushnick, G., Pisor, A.C., et al. (2016). Moral parochialism misunderstood: A reply to Piazza and Sousa. *Proceedings of the Royal Society B*, 283(1823). doi: 10.1098/rspb.2015.2628.

Friedkin, N.E., Jia P., & Bullo, F. (2016). A Theory of the Evolution of Social Power: Natural Trajectories of Interpersonal Influence Systems along Issue Sequences. *Sociological Science*, 3, 444-472.

Garcia, A., & Weigler, E. (2017). Debate: Why We Yearn for the Simple Life. *The Sexual Allure of Simplicity*. SAPIENS. <http://www.sapiens.org/debate/sex-simplicity/>

Garcia, A. R., Gurven, M., & Blackwell, A. D. (2017). A Matter of Perception: Subjective socioeconomic status and cortisol among inhabitants of the island of Utila, Honduras. *American Journal of Human Biology*, 1-17. <http://doi.org/10.1002/ajhb.23031>.

Garcia, A. R., Gurven, M. D., & Blackwell, A. D. (in press). A Matter of Perception: Perceived Socio-economic Status and Cortisol on the Island of Utila, Honduras. *American Journal of Human Biology*.

Garcia, A. R., & Blackwell, A. D. (in press). The Physiological Constellation of Deprivation: Immunological Strategies and Health Outcomes (Commentary on: Pepper and Nettle, "The Behavioural Constellation of Deprivation: Causes and Consequences"). *Behavioral and Brain Sciences*.

Gaulin, S. J. C. (in press). Evolutionary Psychology. In W. Trevathan (Ed.), *Encyclopedia of Human Sexuality*. Wiley/Blackwell: New York.

Gaulin, S. J. C. & Lassek, W. D. (in press). Sexual Dimorphism. In W. Trevathan (Ed.), *Encyclopedia of Human Sexuality*. Wiley/Blackwell: New York.

Ghaziani, A., Taylor, V., & Stone, A. (2016). Cycles of Sameness and Difference in LGBT Social Movements. *Annual Review of Sociology*, 42,165-183.

Grace, K. & Sweeney, S. (2016). Ethnic dimensions of Guatemala's stalled transition: A parity- specific analysis of Ladino and indigenous fertility regimes. *Demography*, 53(1), 117–138.

Grace, K., Wei, R. & Murray, A. T. (2017). A spatial analytic framework for assessing and improving food aid distribution in developing countries. *Food Security*.  
<https://doi.org/10.1007/s12571-017-0703-1>.

Grosse, C. E. (2016). Fair Care? How Ecuadorian Women Negotiate Childcare in Fair Trade Flower Production. *Women's Studies International Forum*, 57,30-37.  
<http://dx.doi.org/10.1016/j.wsif.2016.04.005>

Grosse, C. E. (2016). Scholar Activism and Reciprocity: The Fight Against Fracking in Idaho. *Practicing Anthropology*, 38(3), 28-30. <http://dx.doi.org/10.17730/0888-4552-38.3.28>

Grosse, C. E. (Forthcoming). Tactics in the Grassroots of the Climate Justice Movement. In C. Derber (Ed.), *Universal Resistance*. Routledge. \*book title subject to change.

Grubestic, T. H., Wei, R., Murray, A. T., & Pridemore, W. A. (2016). Comparative approaches for assessing access to alcohol outlets: exploring the utility of a gravity potential approach. *Population Health Metrics*, 14, 25. DOI: 10.1186/s12963-016-0097-x.

Grubestic, T. H., Wei, R., Murray, A. T., & Wei, F. (2016). Essential Air Service in the United States: exploring strategies to enhance spatial and operational efficiencies. *International Regional Science Review*, 39, 108-130.

Gurven, M., Trumble, B. C., Stieglitz, J., Blackwell, A. D., Michalik, D. E., Finch, C., & Kaplan, H. (2016). Cardiovascular Disease and Type 2 Diabetes in Evolutionary Perspective: A Critical Role for Helminths? *Evolution, Medicine & Public Health*, 2016(1), 338-357.

Gurven, M., Costa, M., Trumble, B., Stieglitz, J., Beheim, B., Eid Rodriguez, D., Hooper, P.L., & Kaplan, H. (2016). Costs of reproduction and maternal depletion in a high fertility and mortality population. *Nature Scientific Reports*, 6, 30056.

Gurven, M., Yetish, G., Trumble, B. C., Stieglitz, J., Cummings, D., Blackwell, A. D., Beheim, B., Kaplan, H., & Pontzer, H. (2016). High Resting Metabolic Rate Among Amazonian Forager-Horticulturalists Experiencing High Pathogen Burden. *American Journal of Physical Anthropology*, 161, 414–425. doi:10.1002/ajpa.23040

Gurven, M., Kaplan, H., Stieglitz, J., Trumble, B., Blackwell, A. D., Beheim, B., & Hooper, P. (2017). The Tsimane Health and Life History Project (THLHP): Integrating Anthropology and Biomedicine. *Evolutionary Anthropology*, 26(2), 54-73. DOI: 10.1002/evan.21515.

Gurven, M., Stieglitz, J., Trumble, B., Blackwell, A.D., Beheim, B., Davis, H., Hooper, P., & Kaplan, H. (2017). The Tsimane Health and Life History Project: Integrating anthropology and biomedicine. *Evolutionary Anthropology*, 26, 54-73.

Gurven, M., Fuerstenberg, E., Trumble, B., Stieglitz, J., Davis, H., & Kaplan, H. (2017). Cognitive performance across the life course among Bolivian forager-farmers with limited schooling. *Developmental Psychology*, 53(1), 160-176. + SUPPLEMENT. A

Hamilton, E., Ervin, D., & López-Carr, D. (in press). *Journal of Ethnic and Migration Studies*.

Han, C.S., Martin, M.A., Dichosa, A.E.K., Daughton, A.R., Fritze, S., Kaplan, H., Gurven, M.D., & Alcock, J. (2016). Salivary microbiomes of indigenous Tsimane mothers and infants are distinct despite frequent pre-mastication. *PeerJ* 4:e2660; DOI 10.7717/peerj.2660.

Hedges, S., Borgerhoff Mulder, M., James, S., & Lawson, D. W. (2016). Sending children to school: rural livelihoods and parental investment in education in northern Tanzania. *Evolution & Human Behavior*, 37, 142-151.

Hendley, A., & Charles, M. (2016). Gender Inequality in Education. In N. Naples (Ed.), *Encyclopedia of Gender and Sexuality Studies*. Wiley-Blackwell.

Hodges-Simeon, C. R., Hanson, K. N., Samore, T., Gurven, M., & Gaulin, S.J.C. (2016). Facial Width-to-height Ratio (fWHR) is not Associated with Adolescent Testosterone Levels. *PLoS ONE* 11(4), e0153083. doi:10.1371/journal.pone.0153083.

Hodges-Simeon, C. R., Prall, S. P., Blackwell, A. D., Gurven, M. D., & Gaulin, S. J. C. (in press). Adrenal Maturation, Nutritional Status and Mucosal Immunity in Bolivian Adolescents. *American Journal of Human Biology*.

Hong, I., Murray, A. T., & Rey, S. J. (2016). Obstacle-avoiding shortest path derivation in a multicore computing environment. *Computers, Environment and Urban Systems*, 55, 1-10.

Hong, I., & Murray, A. T. (2016). Assessing raster GIS approximation for Euclidean shortest path routing. *Transactions in GIS*, 20, 570-584.

Hong, I., Murray, A. T., & Wolf, A. J. (2016). Spatial filtering for identifying a shortest path around obstacles. *Geographical Analysis*, 48, 176-190.

Hong, I., Kuby, M., & Murray, A. T. (2017). A deviation flow refueling location model for continuous space: a commercial drone delivery system for urban areas. In D. Griffith, Y. Chun & D. Dean (Eds.), *Advances in Geocomputation*, 125-132 (Springer).

Horvath, S., Gurven, M., Levine, M.E., Trumble, B.C., Kaplan, H., Allayee, H., Ritz, B.R., Chen, B., Lu, A., Sun, D., Berenson, G.S., Li, S., Chen, W., Tsao, P., Absher, D., & Assimes, T. (2016). An epigenetic age analysis of race/ethnicity, gender and coronary heart disease addresses several paradoxes surrounding mortality. *Genome Biology*, 17, 171. DOI 10.1186/s13059-016-1030-0. A

Hoyt, C.H, Burnette, J.L, Auster-Gussman, L., Blodorn, A, & Major, B. (in press). The obesity stigma asymmetry model: The indirect and divergent effects of blame and changeability beliefs on anti-fat prejudice. *Stigma and Health*.

Hunger, J.M. & Major, B. (in press). Weight Stigma Mediates the Association between BMI and Psychological and Physical Health. *Health Psychology*.

Hurwitz, H. M. & Taylor, V. (Forthcoming). Women Occupying Wall Street: Gender Conflict and Feminist Mobilization. In L. A. Banasak & H. J. McCammon (Eds.), *100 Years of the Nineteenth Amendment: An Appraisal of Women's Political Activism*. New York/Oxford: Oxford University Press.

Jaeggi, A., Hooper, P., Beheim, B., Kaplan, H., & Gurven, M. (2016). Reciprocal exchange patterned by market forces helps explain cooperation in a small-scale society. *Current Biology*, 26, 1-8. + SUPPLEMENT

Jaeggi, A., Hooper, P., Beheim, B., Kaplan, H., & Gurven, M. (2016). Supply and demand explain reciprocal exchange of multiple commodities and individual differences in cooperation in a small-scale society. *Current Biology*, 26, 1-8.

Jaeggi, A.V., Boose, K.J., White, F.J., & Gurven, M. (2016). Obstacles and catalysts of cooperation in humans, bonobos and chimpanzees: the behavioural reaction norms can help explain variation in sex roles, inequality, war and peace. *Behaviour*. DOI:10.1163/1568539X-0000334.

Jaeggi, A., Kramer, K., Hames, R., Kiely, E., Gomes, C., Kaplan, H., & Gurven, M. (2017). Human grooming in comparative perspective: using phylogenetic analyses to test hygienic, thermoregulatory and social functions among six small-scale societies. *American Journal of Physical Anthropology*, 162, 810-816.

Jaeggi, A.V., & Gurven, M. (in press). Food sharing models. *International Encyclopedia of Anthropology*.

Jenness, S. M., Goodreau, S. M., Morris, M., & Cassels, S. (2016). Effectiveness of Combination Packages for HIV-1 Prevention in Sub-Saharan Africa Depends on

Partnership Network Structure: A Mathematical Modeling Study. *Sexually Transmitted Infections*. Published Online First: June 9, 2016. doi: 10.1136/sextrans-2015-052476

Kaplan, H., Thompson, R. C., Trumble, B. C., Wann, L. S., Allam, A. H., Beheim, B., Frohlich, B., Sutherland, M. L., Sutherland, J. D., Stieglitz, J., Rodriguez, D. E., Michalik, D. E., Rowan, C. J., Lombardi, G. P., Bedi, R., Garcia, A. R., Min, J. K., Narula, J., Finch, C. E., Gurven, M., & Thomas, G. S. (2017). Coronary Atherosclerosis in Indigenous South American Tsimane : A Cross-Sectional Cohort Study. *Lancet*389 (10080), 1730-1739. Plus supplement.

Kleinschmidt, S., Murray, A. T., Rey, S., Anselin, L. & Grubestic, T. H. (2016). Spatial uncertainty in cluster detection. *Spatial Information Research*, 24, 181-189.

Kuhn, M. A., Kuhn, P., & Villeval, M. C. (2017). Decision-Environment Effects on Intertemporal Financial Choices: How Relevant are Resource-Depletion Models? *Journal of Economic Behavior and Organization*, 137, 72–89.

Lassek, W. D. & Gaulin, S. J. C. (In press). Reproductive Fat. In W. Trevathan (Ed.), *Encyclopedia of Human Sexuality*. Wiley/Blackwell: New York.

Lassek, W. D. & Gaulin, S. J. C. (in press). Breast Milk DHA Content Predicts Cognitive Performance in a Sample of 28 Nations. *Maternal & Child Nutrition*.

Lawson, D. W., & Borgerhoff Mulder, M. (2016). The offspring quantity-quality trade-off and human fertility variation. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 371, 20150145.

Lawson, D. W., James, S., Ngadaya, E., Ngowi, B., Mfinanga, S. G. M., Borgerhoff Mulder, M. (2016). Reply to Rieger and Wagner: Context matters when studying purportedly harmful cultural practices. *Proceedings of the National Academy of Sciences of the United States of America*.

Lawson, D. W., Schaffnit, S. B., Hassan, A., Ngadaya, E., Ngowi, B., Mfinanga, S. G. M., James, S., & Borgerhoff Mulder, M. (2017). Father absence but not fosterage predicts food insecurity, relative poverty and poor child health in northern Tanzania. *American Journal of Human Biology*, 29, e22938.

Lawson, D. W., Núñez-de la Mora, A, Cooper, G. D., Prentice, A. M., Moore, S. E., & Sear, R. (in press). Marital status and sleeping arrangements predict salivary testosterone levels in rural Gambian men. *Adaptive Human Behavior and Physiology*.

López-Carr, D., Mwenda, K. M., Pricope, N. G., Kyriakidis, P. C., Jankowska, M. M., Weeks, J., Funk, C., Husak, G., & Michaelsen, J. (2016). Climate-Related Child Undernutrition: An Integrated Spatial Analysis Of Health Surveys, Ndvi, And Precipitation Data In The Lake Victoria Basin. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 9(6), 2830-2835.

López-Carr, D., Martinez, A., Bilsborrow, R. E., & Whitmore, T. M. (2017). Geographical and individual determinants of rural out-migration to a tropical forest protected area: the Maya Biosphere Reserve, Guatemala. *European Journal of Geography*, 8(2).

López-Carr, D. & Phillips, D. (2017). Place Utility. In F. D. Bean, S. K. Brown, & M. White (Section Eds.), and R. Ueda (Ed.), *Encyclopedia of Migration*, 3 pp. ISBN: 978-94-007-6179-7. Springer ISBN: 978-94-007-6179-7.  
[https://link.springer.com/referenceworkentry/10.1007/978-94-007-6179-7\\_42-1](https://link.springer.com/referenceworkentry/10.1007/978-94-007-6179-7_42-1).

Lopez-Carr, D., & Ervin, D. (in press). Population-Health-Environment (PHE) Synergies? Evidence from Africa and Asia. *The European Journal of Geography*.

Lukaszewski, A., Gurven, M., von Rueden, C., & Schmitt, D. (in press). What explains personality covariation? A test of the socioecological complexity hypothesis. *Social Psychological and Personality Science*.

Lundberg, S., Pollak, R. A. & Stearns, J. (2016). Family Inequality: Diverging Patterns in Marriage, Cohabitation, and Childbearing. *Journal of Economic Perspectives*, 30(2), 79-102.

Lundberg, S., Løken, K., & Riise, J. (2017). Lifting the Burden: State Care of the Elderly and the Labor Supply of Adult Children. *Journal of Human Resources*, 52(1), 247-271.

Lundberg, S., & Brenøe, A. A. (Forthcoming). Gender Gaps in the Effects of Childhood Family Environment: Do They Persist into Adulthood? *European Economic Review*.

Lundberg, S., & Siow, A. (Forthcoming). Canadian Contributions to Family Economics. *Canadian Journal of Economics*.

Lundberg, S. (Forthcoming). Non-Cognitive Skills as Human Capital. Education, Skills, and Technical Change: Implications for Future U.S. GDP Growth, Eds. Charles Hulten and Valerie Ramey, NBER/CRIW.

Major, B., Kunstman, J., Sawyer, P., Townsend, S. & Mendes, W. B. 2016. Suspicion of motives predicts minorities' responses to positive feedback in interracial interactions. *Journal of Experimental Social Psychology*, 62, 75-88.  
doi:10.1016/j.jesp.2015.10.007.

Martin, M., Garcia, G., Kaplan, H., & Gurven, M. (2016). Conflict or congruence? Maternal and infant-centric factors associated with shorter exclusive breastfeeding durations among the Tsimane. *Social Science & Medicine*, 170, 9-16.

McAllister, L., Pepper, G., Hackman, J., Virgo, S., Sobraske, K., & Coall, D., The evolved psychological mechanisms of fertility motivation: Hunting for causation in a sea of correlation. *Philosophical Transactions B*.

McCammon, H. J., Taylor, V., Reger, J., & Einwohner, R. (2017). *The Oxford Handbook of U. S. Women's Social Movement Activism*. New York/Oxford: Oxford University Press.

McCammon, H. J., Taylor, V., Reger, J., & Einwohner, R. (2017). Introduction. In H. McCammon, V. Taylor, J. Reger, & R. Einwohner (Eds.), *Oxford Handbook of U.S. Women's Social Movement Activism*. New York/Oxford: Oxford University Press.

McLafferty, S. & Murray, A.T. (2017). Regional perspectives on public health. In R. Jackson & P. Shaeffer (Eds.), *Regional Research Frontiers- Vol. 1: Innovations, Regional Growth and Migration*, 161-174 (Springer).

Mehta, Aashish and Alison Brysk. Forthcoming. Do rights at home boost rights abroad? Sexual equality and humanitarian foreign policy. *Journal of Peace Research*.

Miller, Shaeleya D., Taylor, V., & Rupp, L. J. (2016). Social Movements and the Construction of Queer Identity. In J. Stets & R. Sherpe (Eds.), *Advances in Identity Theory and Research Volume 2*, pp. 443-470. New York: Oxford University Press.

Murray, A. T. (2016). Assessing the impacts of traditional school year calendar start dates. *Socio-Economic Planning Sciences*, 54, 28-36.

Murray, A. T. & Feng, X. (2016). Public street lighting service standard assessment and achievement. *Socio-Economic Planning Sciences*, 53, 14-22.

Murray, A. T. (2016). Maximal coverage location problem: impacts, significance and evolution. *International Regional Science Review*, 39, 5-27.

Murray, A. T. (2017). Regional analytics. *Annals of Regional Science*, 59, 1-13 (DOI: 10.1007/s00168-017-0825-6).

Murray, A. T. (2017). GIS in regional research. In R. Jackson & P. Shaeffer (Eds.), *Regional Research Frontiers – Vol. 2: Methodological Advance, Regional Systems Modeling and Open Science*, pp. 169-180 (Springer).

Oxley, R.L., Mayes, L.W. & Murray, A.T. (2016). Optimization model for the sustainable water resource management of river basins. *Water Resources Management*, 30, 3247-3264.

Pan, W. K., & Lopez-Carr, D. (2016). Land use as a mediating factor of the Proximate Determinants of Fertility in rural Amazonia. *Population and Environment*. 1-26.

Parra, E., Ruiz-Linares, J., & Lopez-Carr, D. (2016). Una visión geográfica a los parques urbanos de Tunja, Boyacá, Colombia. *Perspectiva Geográfica*. A

Pisor, A.C., & Gurven, M. (2016). Risk buffering and resource access shape valuation of out-group strangers. *Nature Scientific Reports*, 6 (30435). doi: 10.1038/srep30435 A

Richman, L., Blodorn, A. & Major, B. (in press). An identity-based model of discrimination and health behaviors: Implications for Health Disparities. *Group Processes and Intergroup Relations*.

Rios, V.M., Bredenoord, C., & Carias, J. (2016). Project GRIT: Generating Resilience to Inspire Transformation. *Five Rivers Press*.

Rios, V.M. (Forthcoming). *Human Targets: Schools, Police, and the Culture of Control*. University of Chicago Press.

Rios, V.M. (Forthcoming). *Missing Fire: Gangs Across Institutional Settings*. University of Chicago Press.

Rios, V.M. (Forthcoming). Ethnographies of Race, Crime, and Criminal Justice. *Annual Review of Sociology*.

Rios, V. M. (Forthcoming). The consequences of the criminal justice pipeline on Black and Latino masculinity. (Reprint) In Routledge Major Works Collection: *Critical Criminology*.

Roberts, S. T., Khanna, A., Barnabas, R. V., Goodreau, S. M., Baeten, J. M., Celum, C., & Cassels, S. (2016). Estimating the Impact of Universal Antiretroviral Therapy for HIV Serodiscordant Couples Through Home HIV Testing: Insights from Mathematical Models. *JIAS: Journal of the International AIDS Society*, 19, 20864. (PMCID: PMC4865806).

Rossin-Slater, M. (Forthcoming). Signing Up New Fathers: Do Paternity Establishment Initiatives Increase Marriage, Parental Investment, and Child Well-Being? *American Economic Journal: Applied Economics*.

Rossin-Slater, M. & Persson, P. (Forthcoming). Family Ruptures, Stress, and the Mental Health of the Next Generation. *American Economic Review*.



Rossin-Slater, M., Isen, A., & Walker, W. R. (Forthcoming). Every Breath You Take – Every Dollar You’ll Make: The Long-Term Consequences of the Clean Air Act of 1970. *Journal of Political Economy*.

Rupp, L. J., Taylor, V., & Miller, S. D. (2016). Learning to be Queer: College Women’s Sexual Fluidity. In N. Fischer & S. Seidman (Eds.), *Introducing the New Sexuality Studies*, 3<sup>rd</sup> edition, pp. 195-206. New York: Routledge.

Rupp, L. J., Taylor, V., & Roth, B. (2017). Women in LGBT Movements. In H. McCammon, V. Taylor, J. Reger, and R. Einwohner (Eds.), *The Oxford Handbook of U. S. Women’s Social Movement Activism*. New York/Oxford: Oxford University Press.

Ryan, W., Hunger, J. & Major, B. (in press). Understanding LGB Mental and Physical Health Disparities Through the Lens of Stigma and Social Identity Threat. *Journal of Social Issues*.

Sear, R., Lawson, D. W., Kaplan, H., & Shenk, M. (2016). Understanding variation in human fertility: What can we learn from evolutionary demography? *Philosophical Transactions of the Royal Society B: Biological Sciences*, 371, 20150144.

Sobolewski, M., Weiss, B., Martin, M., Gurven, M., & Barrett, E. (2017). Toxicanthropology: phthalate exposure in relation to market access in a remote forager-horticultural population. *International Journal of Hygiene and Environmental Health*, 220(5), 799-809.

Sokolow, S. H., Jones, I. J., Jocque, M., La, D., Cords, O., Knight, A., Fisk, J., Lund, A., Wood, C. L., Lafferty, K. D., Kuris, A. M., Remais, J., Hoover, C., Collender, P. A., Lopez-Carr, D., & De Leo, G. A. (2017). Nearly 400 million people are at higher risk of schistosomiasis because dams block the migration of snail-eating river prawns. *Philosophical Transactions B*, 372 (1722), 20160127.  
<http://rstb.royalsocietypublishing.org/content/royptb/372/1722/20160127.full.pdf>

Sokolow, S. H., Jones, I. J., Jocque, M., La, D., Cords, O., Knight, A., Lund, A., Wood, C. L., Lafferty, K. D., Hoover, C., Collender, P. A., Remais, J., Lopez-Carr, D., Fisk, J., Kuris, A. M., & De Leo, G. A. (2017) Water, dams, and prawns: novel ecological solutions for the control and elimination of schistosomiasis. *The Lancet*, 389, S20.  
[http://thelancet.com/journals/lancet/article/PIIS0140-6736\(17\)31132-7/fulltext](http://thelancet.com/journals/lancet/article/PIIS0140-6736(17)31132-7/fulltext)

Spencer-Rodgers, J., Major, B. Forster, D., & Peng, K. (2016). The Power of Affirming Group Values: Group Affirmation Buffers the Self-Esteem of Women Exposed to Blatant Sexism. *Self and Identity*. DOI: 10.1080/15298868.2016.1145593.

Stieglitz, J., Madimenos, F., Kaplan, H., & Gurven, M. (2016). Calcaneal quantitative ultrasound indicates reduced bone mineral status among physically active adult forager-horticulturalists. *Journal of Bone and Mineral Research*, 31(3), 663-671.

Stieglitz, J., Trumble, B.C., Kaplan, H., & Gurven, M. (2017). Horticultural activity predicts later localized limb status in a contemporary preindustrial population. *American Journal of Physical Anthropology*, 163(3), 425-436. + SUPPLEMENT

Stieglitz, J., Gurven, M., Kaplan, H., & Hopfensitz, A. (2017). Why household inefficiency? An experimental approach to assess spousal resource distribution preferences in a subsistence population undergoing socioeconomic change. *Evolution and Human Behavior*, 38(1), 71-81. + SUPPLEMENT.

Stow, D., Weeks, J. R., Shih, H., Coulter, L., Tsai, Y., Kerr, A., & Mensah, F. (2016). Inter-regional pattern of urbanization in southern Ghana in the first decade of the new millennium. *Journal of Applied Geography*.

Sweeney, S. & Gomez-Antonio, M. (2016). Localization and industry clustering econometrics: An assessment of Gibbs models for spatial point processes. *Journal of Regional Science*, 56(2), 257– 287.

Tavares dos Santos, J. V., Telles, E. *Global Frontiers in Social Control and Deviance*. Under Contract with Springer Press.

Taylor, V. (2016). The Power of Feminist Engagement. In J. White (Ed.), *Permission: The International Interdisciplinary Impact of Laurel Richardson's Work*. pp. 65-69. Rotterdam/Boston/Taipei: Sense Publishers.

Telles, E. E. & Sue, C. *Between Mexican and American*. Under contract with Oxford University Press.

Thébaud, S., & Sharkey, A. J. (2016). Unequal Hard Times: The Influence of The Great Recession on Gender Bias in Entrepreneurial Investment Markets. *Sociological Science*, 3, 1-31.

Thébaud, S., (2016). Passing up the Job: The Role of Gendered Organizations and Families in the Entrepreneurial Career Process. *Entrepreneurship Theory and Practice*.

Thébaud, S., (2016). In Countries with Little Work-Family Support, Many Women Opt for Self-Employment. *London School of Economics Business Review*. (January).

Thébaud, S., & Pedulla, D. (2016). Masculinity and the Stalled Revolution: How Gender Ideologies and Norms Shape Young Men's Responses to Work-Family Policies. *Gender & Society*, 30.

Tong, D. & Murray, A. T. (2017). Location analysis: developments on the horizon. In R. Jackson & P. Shaeffer (Eds.), *Regional Research Frontiers – Vol. 2: Methodological Advance, Regional Systems Modeling and Open Science*, pp. 193-208 (Springer).

Toren, K. G., Buskin, S. E., Dombrowski, J. C., Cassels, S., & Golden, M. R. (2016). Time from HIV Diagnosis to Viral Load Suppression: 2007-2013. *Sexually Transmitted Diseases*, 43(1), 34-40. (PMCID: PMC4902572).

Toure, S., Stow, D., Shih, H., Coulter, L., Weeks, J., Engstrom, R., & Sandborn, A. (2016). An object-based temporal inversion approach to urban land use change analysis. *Remote Sensing Letters*.

Trumble, B. C., Blackwell, A. D., Stieglitz, J., Emery Thompson, M., Maldonado Suarez, I., Kaplan, H., & Gurven, M. (2016). Associations Between Male Testosterone and Immune Function in a Pathogenically Stressed Forager-Horticultural Population. *American Journal of Physical Anthropology*, 161, 494–505. DOI: 10.1002/ajpa.23054.

Trumble, B. C., Gaulin, S. J. C., Dunbar, M. D., Kaplan, H., & Gurven, M. (2016). No Sex Or Age Difference In Dead-reckoning Ability Among Tsimane Forager-horticulturalists. *Human Nature*, 27(1), 51-67.

Trumble, B. C., Stieglitz, J., Blackwell, A. D., Allayee, H., Beheim, B., Finch, C. E., Gurven, M. D., & Kaplan, H. S. (2017). Apolipoprotein E4 is Associated with Improved Cognitive Function in Amazonian Forager-Horticulturalists with A High Parasite Burden. *The FASEB Journal*. DOI:10.1096/fj.201601084R.

Urlacher, S. S., Liebert, M. A., Snodgrass, J. J., Blackwell, A. D., Cepon-Robins, T. J., Gildner, T. E., Madimenos, F. C., Amir, D., Bribiescas, R., & Sugiyama, L. S. (2016). Heterogeneous Effects of Market Integration on Subadult Body Size and Nutritional Status Among the Shuar of Amazonian Ecuador. *Annals of Human Biology*, 43(4), 316-29. DOI: 10.1080/03014460.2016.1192219.

Urlacher, S. S., Blackwell, A.D., Liebert, M. A., Madimenos, F. C., Cepon-Robins, T. J., Gildner, T. E., Snodgrass, J. J., & Sugiyama, L. S. (2016). Physical Growth of the Shuar: Height, Weight, and BMI Growth References for an Indigenous Amazonian Population. *American Journal of Human Biology*, 28(1), 16-30. DOI: 10.1002/ajhb.22747.

Van Dyke, N. & Taylor, V. (Forthcoming). Cultural Consequences of Social Movements. In D. Snow, S. Soule, H. Kriesi & H. McCammon (Eds.), *Wiley Blackwell Companion to Social Movements, 2nd Edition*. Oxford: Wiley Blackwell.

Voth-Gaeddert, L., & Cornell, D. (2017). Improving Health Information Systems in Guatemala Using Weighted Correlation Network Analysis. *GHTC 2016 - IEEE Global Humanitarian Technology Conference: Technology for the Benefit of Humanity, Conference Proceedings*. <http://doi.org/10.1109/GHTC.2016.7857353>

Weeks, J. R., Stow, D. A., & An, L. (2016). Demographics, Health Drivers & Impacts on Land Cover and Land Use Change in Ghana. In S. J. Walsh (Ed.), *Comprehensive Remote Sensing, Volume 9, Remote Sensing Applications for Societal Benefits* (Oxford: Elsevier).

Weeks, J. R. (in press). Demographic Transition Theory. In B. S. Turner (Ed.), *The Wiley Blackwell Encyclopedia of Social Theory*. Oxford, UK: Wiley Blackwell Publishing Co.

Weeks, J. R. (in press). Demography is an Inherently Spatial Science. In F. M. Howell, J. R. Porter, & S. A. Matthews. *Recapturing Space: New Middle-Range Theory In Spatial Demography*. Dordrecht, The Netherlands: Springer.

Wei, R. & Murray, A. T. (2016). Spatial uncertainty challenges in location modeling with dispersion requirements. In J.C. Thill (Ed.), *Spatial Analysis and Location Modeling in Urban and Regional Systems*. New York: Springer.

Wei, R. & Murray, A. T. (2016). A parallel algorithm for coverage optimization on multi-core architectures. *International Journal of Geographical Information Science*, 30, 432-450.

Weinberger, C. (Forthcoming). Engineering Educational Opportunity: Impacts of 1970s and 1980s Policies to Increase the Share of Black College Graduates with Major in Engineering or Computer Science. In R. Freeman & H. Salzman (Eds.), *U.S. Engineering in the Global Economy*. National Bureau of Economic Research: University of Chicago Press.

Winant H. Foreword. In P. Bacchetta & S. Maira (Eds.), *New Racial Studies, Race, and Empire*.

Winant H. (Forthcoming). *Global Raciality: Empire, PostColoniality, DeColoniality*. New York: Routledge, *A New Racial Studies Book*.

Winant H. (Forthcoming). Charles Mills for and against Black Liberalism. *Ethnic and Racial Studies Review*.

Winant H. (Forthcoming). Foreword to John S.W. Park and Shannon Gleeson (Eds.), *The Nation and Its Peoples: Citizens, Denizens, Migrants, A New Racial Studies series book*. New York: Routledge.

Winant H. (2017). World-Historical Du Bois. *Ethnic and Racial Studies Review*, 40(3).

Witenko, V., Mireles-Rios, R. and Rios, V.M. 2016. Networks of Encouragement: Who's encouraging Latino students and White students to enroll in honors and Advanced Placement (AP) courses? *Journal of Latinos and Education*.

Wolf, L.J. and Murray, A.T. (2017). Spatial analysis. In D. Richardson, N. Castree, M. F. Goodchild, A. Kobayaski, W. Liu & R. A. Marston (Eds.), *International Encyclopedia of Geography: People, the Earth, Environment, and Technology*. New York: John Wiley & Sons. (DOI: 10.1002/9781118786352.wbieg0505).

Yao, J. & Murray, A. T. (2016). A spatial optimization approach for solving a multi-facility location problem with continuously distributed demand. Revised for J.-C. Thill (Ed.), *Innovations in Urban and Regional Systems - Contributions from GIS&T, Spatial Analysis and Location Modeling*. Springer's Advances in Spatial Science Series.

Yao, J. & Murray, A. T. (2017). A spatial optimization approach for solving a multi-facility location problem with continuously distributed demand. In J.-C. Thill (Ed.), *Innovations in Urban and Regional Systems - Contributions from GIS&T, Spatial Analysis and Location Modeling*. Springer's Advances in Spatial Science Series.

Yetish, G., Kaplan, H., Gurven, M., Wood, B., Pontzer, H., Manger, P., Wilson, C., McGregor, R., & Siegel, J.M. (2016). Response to de Iglesia et al. Response to de la Iglesia et al. *Current Biology*, 26, R273-R274. + SUPPLEMENT

Zhang, Y., Murray, A. T., & Turner, B.L.. (2017). Optimizing green space locations to reduce daytime and nighttime urban heat island effects in Phoenix, Arizona. *Landscape and Urban Planning*, 165, 162-171. DOI: 10.1016/j.landurbplan.2017.04.009.

Zhao, Q., Wentz, E.A. & Murray, A. T. (2017). Tree shade coverage optimization in an urban residential environment. *Building and Environment*, 115, 269-280.

**COSMIDES, LEDA  
TOOBY, JOHN**

Eisenbruch, A. B., Grillot, R. L., Maestripieri, D., & Roney, J. R. (2016). Evidence of partner choice heuristics in a one-shot bargaining game. *Evolution and Human Behavior*, 37(6), 429-439.

Eisenbruch, A. B., & Roney, J. R. (2016). Conception risk and the ultimatum game: When fertility is high, women demand more. *Personality and Individual Differences*, 98, 272-274.

Barlev, M., Mermelstein, S., & German, T. (2017). Core Intuitions About Persons Coexist and Interfere With Acquired Christian Beliefs About God. *Cognitive Science*, 41(S3), 425-454.

Fiddick, L., Brase, G., Cosmides, L., & Tooby, J. (2017). Rethinking relevance: Repetition priming reveals the psychological reality of adaptive specializations for reasoning. *Evolution and Human Behavior*, 38(3), 366-375.

Sell, A., Sznycer, D., Al-Shawaf, L., Lim, J., Krauss, A., Feldman, A., Rascanu, R., Sugiyama, L., Cosmides, L., & Tooby, J. (2017). The grammar of anger: Mapping the computational architecture of a recalibrational emotion. *Cognition*, 168, 110–128.

Sell, A., Sznycer, D., Cosmides, L., Tooby, J., Krauss, A., Nisu, S., Ceapa, C., Petersen, M. B. (2017). Physically strong men are more militant: A test across four countries. *Evolution and Human Behavior*, 38(3), 334-340.

Sznycer, D., Lopez Seal, M. F., Sell, A., Lim, J., Porat, R., Shalvi, S., Halperin, E., Cosmides, L., & Tooby, J. (2017). Support for redistribution is shaped by compassion, envy, and self-interest, but not a taste for fairness. *Proceedings of the National Academy of Sciences*, 114(31), 8420–8425.

Sznycer, D., Cosmides, L., & Tooby, J. (2017). Adaptationism carves emotions at their functional joints. Invited commentary in *Psychological Inquiry*, 28(1), 56–62.

Sznycer, D., Al-Shawaf, L., Bereby-Meyer, Y., Curry, O. S., De Smet, D., Ermer, E., Kim, S., Kim, S., Li, N. P., Lopez Seal, M. F., McClung, J., O, J., Ohtsubo, Y., Quillien, T., Schaub, M., Sell, A., van Leeuwen, F., Cosmides, L., & Tooby, J. (2017). Cross-cultural regularities in the cognitive architecture of pride. *Proceedings of the National Academy of Sciences*, 114(8), 1874–1879.

### **DARIAN-SMITH, EVE**

Darian-Smith, E. (in press). Islands of Law, Seas of Humanity: Law in a Postnational World. *Yearbook of Interdisciplinary Legal Studies, Inaugural issue*, Queen Mary Law School, University of London.

### **FORD, ANABEL**

Ford, A. (2016). Unexpected Discovery with LiDAR: Uncovering the Citadel at El Pilar in the Context of the Maya Forest. *Research Reports in Belizean Archaeology*, 13, 87-98.

Ford, A. & Clarke, K. C. (2016). Linking the Past and Present of the Ancient Maya: Lowland Use, Population Distribution, and Density in the Late Classic. In C. Isendahl & D. Stump (Eds.), *Handbook of Historical Ecology and Applied Archaeology*. Oxford, England: Oxford University Press.

Fedick, S. L., Clarke, K. C., & Ford, A. (2016). Refining Models of Ancient Maya Agricultural Landscape Archaeology in the Belize River Area: Initial Results Making Use of LiDAR Imagery. *Research Reports in Belizean Archaeology*, 13, 121-128.

Ford, A., Spera, F. & Christensen, C. (2016). Petrography First: Issues of Identification and Sourcing Volcanic Ash Temper in Maya Pottery. In M. Ownby, I. Druc & M. Masucci (Eds.), *Integrative Approaches in Ceramic Petrography*, pp. 25. Salt Lake City, Utah: University of Utah Press.

Ford, A. (2017). Valuing the Maya Forest as a Garden. In N. Sanz (Ed.), *Exploring Frameworks of Tropical Forest Conservation*. Mexico City: UNESCO.

Ford, A. & Horn III, S. (2017). El Pilar Monuments Retrospective & Prospective: Re-Discovering El Pilar. *Research Reports in Belizean Archaeology*, 14, 87-95.

Owens, S. C., J. A. Berenbeim, Marshall R. Ligare, Lisa E. Gulian, Faady M. S., Samuel Boldissar, Stuart Tyson-Smith, Gregory Wilson, Anabel Ford, Mattanjah S. de Vries (2017). Direct Analysis of Xanthine Stimulants in Archaeological Vessels by Laser Desorption Resonance Enhanced Multiphoton Ionization. *Analytical Chemistry*, 89, 2838-2843.

### **FRÜHSTÜCK, SABINE**

Frühstück, S. (2016). Japan's Military Battles Its Own Male-dominated Culture. *East Asia Forum Quarterly*, 8(2), 28-29.  
<http://www.eastasiaforum.org/quarterly/>.

Frühstück, S. & Walthall, A. (Eds.) (2017). *Child's Play: Multi-sensory Histories of Children and Childhood in Japan*. Oakland: University of California Press.

Frühstück, S. (2017). *Playing War: Children and the Modern Paradoxes of Militarism in Japan* (previously titled How Children Make War and Peace). Oakland: University of California Press.

Frühstück, S. (2017). Introduction. In S. Frühstück & A. Walthall (Eds.), *Child's Play: Multi-sensory Histories of Children and Childhood in Japan*. Oakland: University of California Press.

Frühstück, S. (2017). ... and My Heart Screams: Children and the War of

Emotions. In S. Frühstück & A. Walthall (Eds.), *Child's Play: Multi-sensory Histories of Children and Childhood in Japan*. Berkeley: University of California Press.

**GLASSOW, MICHAEL**

Perry, J. & Glassow, M. (2016). Response to "Coastal Versus Interior: Some Thoughts on the Archeology of California's Channel Islands." *Journal of Island & Coastal Archeology*, 11, 447-449.

Glassow, M., Sutton, E. A., Fernandez, C. F. & Thaker, H. B. (2016). Proxy Measurements of California Mussel Valve Length. *Advances in Archaeological Practice*, 4(1), 31-40.

Glassow, M., Johnson, J. R., Costello, J. G. & Maniery, M. L. (2016). Eventful Times: SCA's History Between 1987 and 1996. *California Archaeology*, 8(2), 221-234.

Erlandson, J. M., Gill, K. M., Glassow, M., & Gusick, A. E. (2016). Three Paleocoastal Lithic Sites on Santa Cruz Island, California. *PaleoAmerica*, 2(1), 52-55.

Glassow, M., (2016). In Memoriam: Charles Eugene Rozaire (1927-2016). *California Archaeology*, 8(2), 327-331.

Glassow, M. (2017). Issues in the Identification of Umbones in California Mussel Shell Assemblages. *Quaternary International*, 427, 31-35.

Thakar, H. B., Glassow, M., & Blanchette, C. (2017). Reconsidering Evidence of Human Impacts: Implications of Within-Site Variation of Growth Rates in *Mytilus californianus* along Tidal Gradients. *Quaternary International*, 427, 151-159.

Brandoff, J., Glassow, M., Reeves, D., Steinkamp, M. J. Picciuolo, J., & Galbraith, S. (2017). Maritime to Mountains: Investigations of a Buried Site in the Upper Santa Ynez River Watershed, Santa Barbara County, California. *California Archaeology*, 2017, 107-122.



## **GURVEN, MICHAEL**

Gurven, M., Trumble, B.C., Stieglitz, J., Blackwell, A.D., Michalik, D.E., Finch, C.E., & Kaplan, H. (2016). Cardiovascular disease and type 2 diabetes in evolutionary perspective: a critical role for helminths? *Evolution, Medicine & Public Health*, 338-357.

Martin, M., Garcia, G., Kaplan, H., & Gurven, M. (2016). Conflict or congruence? Maternal and infant-centric factors associated with shorter exclusive breastfeeding durations among the Tsimane. *Social Science & Medicine*, 170, 9-17.

Han, C.S., Martin, M.A., Dichosa, A.E.K., Daughton, A.R., Fietze, S., Kaplan, H., Gurven, M.D., & Alcock, J. (2016). Salivary microbiomes of indigenous Tsimane mothers and infants are distinct despite frequent premastication. *PeerJ* 4,e2660; DOI 10.7717/peerj.2660.

Trumble, B.C., Blackwell, A.D., Stieglitz, J., Emery Thompson, M., Maldonado Suarez, I., Kaplan, H., & Gurven, M. (2016). Associations between male testosterone and immune function in a pathogenically stressed forager-horticultural population. *American Journal of Physical Anthropology*, 161(3), 494.

Horvath, S., Gurven, M., Levine, M.E., Trumble, B.C., Kaplan, H., Allayee, H., Ritz, B.R., Chen, B., Lu, A., Rickabaugh, T.M., Jamieson, B.D., Sun, D., Li, S., Chen, W., Quintana-Murci, L., Fagny, M., Kobor, M.S., Tsao, P.S., Reiner, A.P., Edlefsen, K.L., Absher, D., & Assimes, T.L. (2016). An epigenetic clock analysis of race/ethnicity, sex, and coronary heart disease. *Genome Biology*, 17, 171. DOI 10.1186/s13059-016-1030-0.

Pisor, A., & Gurven, M. (2016). Risk buffering and resource access shape valuation of out-group and in-group strangers. *Nature Scientific Reports* 6, 30435.

Gurven, M., Costa, M., Trumble, B., Stieglitz, J., Beheim, B., Eid Rodriguez, D., Hooper, P.L., & Kaplan, H. (2016). Costs of reproduction and maternal depletion in a high fertility and mortality population. *Nature Scientific Reports*, 6, 30056.

Blackwell, A.D., Trumble, B.C., Maldonado Suarez, I., Stieglitz, J., Beheim, B., Snodgrass, J.J., Kaplan, H., & Gurven, M. (2016). Immune function in Amazonian horticulturalists. *Annals of Human Biology*, 43(4), 382-396.

Jaeggi, A., Hooper, P., Beheim, B., Kaplan, H., & Gurven, M. (2016). Supply and demand explain reciprocal exchange of multiple commodities and individual differences in cooperation in a small-scale society. *Current Biology*, 26, 1-8.

Gurven, M., Yetish, G., Trumble, B.C., Stieglitz, J., Cummings, D., Blackwell, A.D., Beheim, B., Kaplan, H., & Pontzer, H. (2016). High resting metabolic rate among Amazonian forager-horticulturalists experiencing high pathogen burden. *American Journal of Physical Anthropology*, 161(3), 414-425.

Stieglitz, J., Madimenos, F., Kaplan, H., & Gurven, M. (2016). Calcaneal quantitative ultrasound indicates reduced bone mineral status among physically active adult forager-horticulturalists. *Journal of Bone and Mineral Research*, 31(3), 663-671.

Yetish, G., Kaplan, H., Gurven, M., Wood, B., Pontzer, H., Manger, P., Wilson, C., McGregor, R., & Siegel, J.M. (2016). Response to de Iglesia et al. *Current Biology*, 26, R273.

Stieglitz, J., Trumble, B.C., Kaplan, H., & Gurven, M. (2017). Horticultural activity predicts later localized limb status in a contemporary preindustrial population. *American Journal of Physical Anthropology*, 163(3), 425-436.

Sobolewski, M., Weiss, B., Martin, M., Gurven, M., & Barrett, E. (2017). Toxicanthropology: phthalate exposure in relation to market access in a remote forager-horticultural population. *International Journal of Hygiene and Environmental Health*, 220(5), 799-809.

Jaeggi, A.V., Kramer, K., Hames, R., Kiely, E., Gomes, C., Kaplan, H., & Gurven, M. (2017). Human grooming in comparative perspective: using phylogenetic analyses to test hygienic, thermoregulatory and social functions among six small-scale societies. *American Journal of Physical Anthropology*, 162, 810-816.

Gurven, M., Stieglitz, J., Trumble, B., Blackwell, A.D., Beheim, B., Hooper, P., & Kaplan, H. (2017). The Tsimane Health and Life History Project: Integrating anthropology and biomedicine. *Evolutionary Anthropology*, 26, 54-73.

Kaplan, H., Thompson, R.C., Trumble, B.C., Wann, L.S., Allam, A.H., Beheim, B., Frohlich, B., Sutherland, M.L., Sutherland, J.D., Stieglitz, J., Eid Rodriguez, D., Michalik, D.E., Rowan, C.J., Lombardi, G.P., Bedi, R., Garcia, A.R., Min, J.K., Narula, J., Finch, C.E., Gurven, M., & Thomas, G.S. (2017). Coronary atherosclerosis in indigenous South American Tsimane: a cross-sectional cohort study. *Lancet*, 389(10080), 1730-1739.

Blackwell, A.D., Urlacher, S.S., Beheim, B., von Rueden, C., Jaeggi, A., Stieglitz, J., Trumble, B.C., Gurven, M., & Kaplan, H. (2017). Growth references for Tsimane forager-horticulturalists of the Bolivian Amazon. *American Journal of Physical Anthropology*, 162(3), 441-461.

Trumble, B., Stieglitz, J., Blackwell, A.D., Allayee, H., Beheim, B., Finch, C.E., Gurven, M., & Kaplan, H. (2017). Apolipoprotein E4 is associated with improved cognitive function in Amazonian forager-horticulturalists with a high parasite burden. *FASEB*.

Gurven, M., Fuerstenberg, E., Trumble, B., Stieglitz, J., Davis, H., & Kaplan, H. (2017). Cognitive performance across the life course among Bolivian forager-farmers with limited schooling. *Developmental Psychology*, 53(1), 160-176.

Stieglitz, J., Gurven, M., Kaplan, H., & Hopfensitz, A. (2017). Why household inefficiency? An experimental approach to assess spousal resource distribution preferences in a subsistence population undergoing socioeconomic change. *Evolution and Human Behavior*, 38(1), 71-81.

Lukaszewski, A., Gurven, M., von Rueden, C., & Schmitt, D. (in press). What explains personality covariation? A test of the socioecological complexity hypothesis. *Social Psychological and Personality Science*.

Hodges-Simeon, C.R., Prall, S.P., Blackwell, A.D., Gurven, M., & Gaulin, S.J.C. (in press). Adrenal maturation, nutritional status and mucosal immunity in Bolivian juveniles and adolescents. *American Journal of Human Biology*.

**GURVEN, MICHAEL  
PISOR, ANNE**

Pisor, A.C., & Gurven, M. (2016) Risk buffering and resource access shape valuation of out-group strangers. *Scientific Reports*, 6(30435). doi: 10.1038/srep30435.

## HARTHORN, BARBARA HERR

Appelbaum, R. P. (2016) *CNS Synthesis Report on IRG 2: Globalization and Nanotechnology: The Role of State Policy and International Collaboration*. (CNS-UCSB, Santa Barbara, CA), August, 2016, available for download from the CNS website: <http://www.cns.ucsb.edu/irg-synthesis-reports>

Appelbaum, Richard, Gebbie, Matt, Han, Shirley, & Stocking, Galen. (2016). Will China's Quest for Indigenous Innovation Succeed? Some Lessons From Nanotechnology. *Technology in Society*, 46, 149-163.

Appelbaum, Richard, Zayago Lau, Edgar, Foladori, Guillermo, Parker, Rachel, Vazquez, Laura Liliana Villa, Belmont, Eduardo Robles, & Figueroa, Edgar Ramón Arteaga. (2016). Inventory of nanotechnology companies in Mexico. *Journal of Nanoparticle Research*, 18(2), 42-53. doi: 10.1007/s11051-016-3344-y

Arteaga Figueroa, Edgar, Foladori, Guillermo, Robles Belmont, E, Záyago Lau, Edgar, Appelbaum, Richard, & Parker, Rachel. (forthcoming). Patentes e innovación de nanotecnología en México. *Revista Investigación Y Ciencia UAA*.

Becker, Amy B., & Copeland, Lauren. (2016). Networked publics: How connective social media use facilitates political consumerism among LGBT Americans. *Journal of Information Technology & Politics*, 13(1), 22-36. doi: 10.1080/19331681.2015.1131655

Brock, David. (Forthcoming). Alternate Materialities of Microcircuitry. *IEEE Annals of the History of Computing*.

Collins, Mary, B., Munoz, Ian, & Jaja, Joseph. (2016). Linking 'toxic outliers' to environmental justice communities. *Environmental Research Letters*, 11(1), 1-9.

Collins, Mary. (Forthcoming). Double Disproportionality: a Framework for Integrating Environmental Privileges and Problems. *Social Science Quarterly*.

Copeland, Lauren, & Atkinson, Lucy. (2016). Political Consumption: Ethics, Participation and Civic Engagement. In M. Chatzidakis, M. Carrington & D. Shaw (Eds.), *Ethics and Morality in Consumption: Interdisciplinary Perspectives*, 171-188. New York: Routledge.

Copeland, Lauren, & Smith, Eric. R.A.N. (Forthcoming). Political Consumerism: Citizen Activism in Response to Climate Change and other Environmental Problems. In Y. Wolinsky-Nahmias (Ed.), *Climate Change Policy and the Role of Society*. Washington, D.C: CQ Press.

Fastman, Brandon, Metzger, Miriam, & Harthorn, Barbara Herr. (2016). Forging new connections between nanoscience and society in the UCSB Center for Nanotechnology in Society Science & Engineering Fellows Program. In Kurt Winkelmann & Bharat Bhushan (Eds), *Global Perspectives of Nanoscience and Engineering Education*, 375-393. Switzerland: Springer. doi: 10.1007/978-3-319-31833-2\_14

Foladori, Guillermo, Arteaga Figueroa, Záyago Lau, Edgar, Robles Belmont, E, Appelbaum, Richard, & Parker, Rachel. (Forthcoming). Patentes nanotecnológicas en México según sector económico de potencial aplicación. *Ciencia Ergo Sum*.

Foladori, Guillermo, Arteaga Figueroa, Ramon, Záyago Lau, Edgar, Robles Belmont, Eduardo, Appelbaum, Richard, & Parker, Rachel. (Forthcoming). Sectores económicos de potencial aplicación de las patentes de nanotecnologías en México. *Ciencia Ergo-Sum*.

Gregory, Robin, Satterfield, Terre, & Hasell, Ariel. (2016). Using decision pathway surveys to inform climate engineering policy choices. *Proceedings of the National Academy of Sciences*, 113(3), 560-565. doi: 10.1073/pnas.1508896113

Han, Shirley, & Appelbaum, Richard. (2016). Will They Stay or Will They Go? International STEM Students Are Up for Grabs. Kaufman Foundation.

Harthorn, B. H., Pidgeon, N., & Satterfield, T. (2016) *CNS Synthesis Report on IRG 3: Understanding Nanotechnologies' Risks and Benefits: Emergence, Expertise & Upstream Participation*. (CNS-UCSB, Santa Barbara, CA), August, 2016, available for download from the CNS website: <http://www.cns.ucsb.edu/irg-synthesis-reports>

Harthorn, Barbara Herr. (2016). Unifying ethical concepts. In W. Bainbridge, W. Sims & M. Roco (Eds.), *Handbook of Science and Technology Convergence*, ch. 54. Switzerland: Switzerland: Springer International Publishing. SBN-13: 978-3319070513 ISBN-10: 3319070517 (March 2016). Online publication 2015 DOI 10.1007/978-3-319-04133-2\_54-1

Harthorn, Barbara Herr. (2016). Envisioning Our Nano-Medical Futures: Techno-Benefits and Social Risks? In L. Manderson, E. Cartwright & A. Hardon (Eds.), *The Routledge Handbook of Medical Anthropology*, (section 14.5 pp 329-337). London: Routledge. ISBN-13: 978-1138015630. ISBN-10: 1138015636.

Harthorn, Barbara Herr. (Forthcoming). Nanotechnology. In B. S. Turner (Ed.), *The Encyclopedia of Social Theory*. Wiley-Blackwell.

Harthorn, Barbara Herr. (Forthcoming). Nanotechnologies in societal context: Social, ethical, and governance Issues. In Bharat Bhushan, Ed., *Springer Handbook of Nanotechnology*, 4th Edition, Ch. 44. Switzerland: Springer.

Henwood, Karen L., & Pidgeon, Nick. (2016). Interpretive Environmental Risk Research: Affect, discourses and Change. In J. Crichton, C. N. Candlin & A. S. Firkins (Eds.), *Communicating Risk* (pp. 155-170). London: Palgrave Macmillan UK.

Hodges, Heather E., & Stocking, Galen. (2016). A pipeline of tweets: environmental movements' use of Twitter in response to the Keystone XL pipeline. *Environmental Politics*, 25(2), 223-247. doi: 10.1080/09644016.2015.1105177

Holden, Patricia A., Gardea-Torresdey, Jorge. L., Klaessig, Fred, Turco, Ronald. F., Mortimer, Monika, Hund-Rinke, Kerstin, . . . Nel, Andre E. (2016). Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. *Environmental Science & Technology*, 50(12), 6124-6145. doi: 10.1021/acs.est.6b00608

Invernizzi, Noela, & Foladori, Guillermo. (Forthcoming). Nanotechnology Implications for Labor. In R. Bawa, G. F. Audette & I. Rubinstein (Eds.), *Handbook of Clinical Nanomedicine Law, Business, Regulation, Safety, and Risk* (Vol. 2). Singapore: Pan Stanford Publishing.

Kaiser, David, & McCray, Patrick (Eds.). (2016). *Groovy Science: Knowledge, Innovation, and American Counterculture*. Chicago: University of Chicago Press.

Kaplan, Sarah, Milde, Jonathan, & Cowan, Ruth. (2016). Symbiotic Practices in Boundary Spanning: Bridging The Cognitive and Political Divides in Interdisciplinary Research. *Academy of Management Journal*. doi: 10.5465/amj.2015.0809

- Kay, Luciano, Appelbaum, Richard, Youtie, Jan, & Shapira, Philip. (Forthcoming). Nanotechnology in Argentina and Brazil: Innovation Pathways of developing countries in emerging technologies. *Technology Forecasting and Social Change*.
- Kay, Luciano, Porter, Alan, Youtie, Jan, Newman, Nils, & Rafols, Ismael. (Forthcoming). Visual analysis of patent data through global maps and overlays. In M. Lupu, N. Kando, T. Trippe & K. Mayer (Eds.), *Current Challenges in Patent Information*. Retrieval: Springer.
- Lécuyer, Christophe, & Choi, Hyungsub. (Forthcoming). How Did Semiconductor Firms Manage Technological Uncertainty? *La Revue d'Histoire Moderne et Contemporaine*.
- McCray, W. P., Mody, C., Slaton, A., & Tyrrell, B. (2016) *CNS Synthesis Report on IRG 1: Exploring Nanotechnologies' Origins, Institutions, and Community: A Ten Year Experiment in Large Scale Collaborative STS Research*. (CNS-UCSB, Santa Barbara, CA), August, 2016, available for download from the CNS website: <http://www.cns.ucsb.edu/irg-synthesis-reports>
- McCray, Patrick. (Forthcoming). Gravity and Geese. *Leonardo*.
- Mehta, Aashish, Herron, Patrick James, Cao, Cong, & Lenoir, Tim. (2016). Research Diversification and Impact: The Case of National Nanoscientific Development. *SSRN Electronic Journal*, 1-31. doi: <http://dx.doi.org/10.2139/ssrn.2359278>
- Mody, Cyrus. (2016). Santa Barbara Physicists in the Vietnam Era. In D. Kasier & W. P. McCray (Eds.), *Groovy Science: Knowledge, Innovation, and American Counterculture* (pp. 70-106). Chicago: University of Chicago Press.
- Mody, Cyrus. (2016). Responsible Innovation: The 1970s, Today, and the Implications for Equitable Growth. *Report for the Washington Center for Equitable Growth*. Washington, DC. Feb 8 2016
- Mody, Cyrus. (2016). Professional Science. In B. Lightman (Ed.), *Blackwell Companion to the History of Science* (pp. 164-178). Malden, MA: Blackwell.
- Mody, Cyrus. (2016). An Electro-Historical Focus with Real Interdisciplinary Appeal: Interdisciplinarity at Vietnam-Era Stanford. In S. Frickel, B. Prainsack & M. Albert (Eds.), *Investigating Interdisciplinary Research: Theory and Practice across Disciplines*. New Brunswick: Rutgers University Press.

Mody, Cyrus. (forthcoming). Fabricating an Organizational Field for Research: US Academic Microfabrication Facilities in the 1970s and 1980s. In T. Heinze & R. Münch (Eds.), *Intellectual and Organizational Innovation in Science: Historical and Sociological Perspectives*. New York: Palgrave Macmillan.

Mody, Cyrus. (forthcoming). Moore's Law. In A. Shew & J. C. Pitt (Eds.), *Routledge Companion to the Philosophy of Technology*. London: Routledge.

Mody, Cyrus. (Forthcoming). *The Long Arm of Moore's Law: Microelectronics and American Science*. Cambridge, MA: MIT Press.

Mody, Cyrus. (Forthcoming). Discussion Forum on Scientific Practice. *Science Education*.

Partridge, Tristan. (2016). *Unconventional Action and Community Control: Rerouting Dependencies Despite the Hydrocarbon Economy ExtrACTION: Impacts, Engagements and Alternative Futures*. Walnut Creek, CA: Left Coast Press.

Partridge, Tristan, Thomas, Merryn, Harthorn, Barbara Herr, Pidgeon, Nick, Hasell, Ariel, Stevenson, Louise, & Enders, Catherine. (2017). Seeing futures now: Emergent US and UK views on shale development, climate change and energy systems. *Global Environmental Change*, 42, 1-12.  
<http://doi.org/10.1016/j.gloenvcha.2016.11.002>

Partridge, Tristan. (Forthcoming). Rural intersections: Resource marginalization and the “non-Indian problem” in highland Ecuador. *Journal of Rural Studies*, 1-13. doi: <http://dx.doi.org/10.1016/j.jrurstud.2015.12.001>

Pidgeon, Nick, Harthorn, Barbara Herr, Satterfield, Terre, & Demski, Christina. (2017). Cross-national comparative communication and deliberation about the risks of nanotechnologies. In K. H. Jamieson, D. Scheufele & D. Kahan (Eds.), *Oxford Handbook of Science Communication*, 141-155. Oxford, UK: Oxford University Press.

Pidgeon, Nick, Thomas, Merryn, Partridge, Tristan, Evensen, Darrick, & Harthorn, Barbara Herr. (Forthcoming). Hydraulic fracturing: A risk for environment, energy security and affordability? In Kasperson Roger (Ed.), *Risk Conundrums: Solving Unsolvables Problems*. London: Routledge.



Pidgeon, Nick, Harthorn, Barbara Herr, Satterfield, Terre, & Demski, Christina. (Forthcoming). Cross-National Comparative Communication and Deliberation about the Risks of Nanotechnologies. In K. H. Jamieson, D. Scheufele & D. Kahan (Eds.), *Oxford Handbook of Science Communication*: Oxford University Press.

Slaton, Amy, Riley, Donna, & Cech, Erin. (Forthcoming). Grit: Yearning, Personhood, and the Ontologies of American Engineering Education. In S. Fifield & W. Letts (Eds.), *STEM of Desire*. Dordrecht, NL: Sense Publishers.

Thomas, Merryn, Partridge, Tristan, Harthorn, Barbara Herr, & Pidgeon, Nick. (2017). Deliberating the perceived risks, benefits, and societal implications of shale gas and oil extraction by hydraulic fracturing in the US and UK. *Nature Energy*, 2. doi:10.1038/nenergy.2017.54

Thomas, Merryn, Nick Pidgeon, Darrick Evensen, Tristan Partridge, Ariel Hasell, Catherine Enders, Barbara Herr Harthorn, Michael Bradshaw. (2017). Public perceptions of hydraulic fracturing for shale gas and oil in the United States and Canada. *WIREs Climate Change*. DOI: 10.1002/WCC.450.

Vincent, & Smith, Eric R. A. N. (2016). The Influence of Environmentalism on Attitudes Toward Local Agriculture and Urban Expansion. *Society & Natural Resources*, 29(1), 88-103. doi: 10.1080/08941920.2015.1043081

Záyago Lau, Edgar. (Forthcoming). Empresas nanotecnológicas en México: hacia un primer inventario.

Záyago Lau, Edgar, Foladori, Guillermo, Carrozza, T. J., Appelbaum, Richard, Villa, Liliana, Parker, Rachel, & Robles Belmont, Eduardo. (Forthcoming). Sectorial analysis of nanotechnology companies in Argentina. *Nanotechnology Law & Business Journal*.

Záyago Lau, Edgar. (Forthcoming). La regulación de las nanotecnologías en México y la investigación sobre riesgos de los nanomateriales manufacturados. In G. Foladori, E. Záyago Lau, N. Invernizzi & M. Á. Porrúa (Eds.), *Trabajo, riesgos y la regulación de las nanotecnologías en América Latina*. Mexico.

Zúñiga, Homero, Copeland, Lauren, & Bimber, Bruce. (Forthcoming). Political Consumerism: Civic Engagement and the Social Media Connection. *New Media & Society*.

**HARTHORN, BARBARA  
PARTRIDGE, TRISTAN**

Harthorn, B. H., Pidgeon, N. & Satterfield, T. (2016). *CNS Synthesis Report on IRG 3: Understanding Nanotechnologies' Risks and Benefits: Emergence, Expertise & Upstream Participation*, pp. 1-56. Retrieved from CNS-UCSB. Available for download at: <http://www.cns.ucsb.edu/irg-synthesis-reports>

Fastman, B., Metzger, M., & Harthorn, B. H. (2016) Forging New Connections between Nanoscience and Society in the UCSB Center for Nanotechnology in Society Science & Engineering Fellows Program. In K. Winkelmann & B. Bhushan (Eds.), *Global Perspectives of Nanoscience and Engineering Education* (pp. 375-393). Switzerland: Springer. doi:10.1007/978-3-319-31833-2\_14.

Harthorn, B. H. (2016). Unifying Ethical Concepts. In W. Bainbridge, W. Sims & M. Roco (Eds.), *Handbook of Science and Technology Convergence*, Ch. 54. Switzerland: Springer International Publishing. DOI 10.1007/978-3-319-04133-2\_54-1.

Harthorn, B. H. (2016). Techno-benefits and Social Risks. In L. Manderson, A. Hardon & E. Cartwright (Eds.), *The Routledge Handbook of Medical Anthropology*, Ch. 13. London: Routledge.

Holden, P. A., Gardea-Torresdey, J. L., Klaessig, F., Turco, R. F., Mortimer, M., Hund-Rinke, K., Cohen Hubal, A. E., Avery, D., Barcelo, D., Behra, R., Cohen, Y., Deydier-Stephan, L., Ferguson, P. L., Fernandes, T. F., Harthorn, B. H., Henderson, W. M., Hoke, R. A., Hristozov, D., Johnston, J. M., Kane, A. B., Kapustka, L., Keller, A. A., Lenihan, H. S., Lovell, W., Murphy, C. J., Nisbet, R. M., Petersen, E. J., Salinas, E. R., Scheringer, M., Sharma, M., Speed, D. E., Sultan, Y., Westerhoff, P., White, J. C., Wiesner, M. R., Wong, . M., Xing, B., Steele Horan, M., Godwin, H. A., & Nel, A. E. (2016). Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. *Environmental Science & Technology*, 50(12), 6124–6145. DOI: 10.1021/acs.est.6b00608

Partridge, T. (2017). Resisting Ruination: Resource Sovereignties and Socioecological Struggles in Cotopaxi, Ecuador. *Journal of Political Ecology* 24, 763-776.

Thomas, M., Partridge, T., Pidgeon, N., Harthorn, B. (2017). Deliberating the Perceived Risks, Benefits and Societal Implications of Shale Gas and Oil Extraction by Hydraulic Fracturing in the US and UK. *Nature Energy* 2, 17054.

Pidgeon, N, Harthorn, B. H., Satterfield, T., & Demski, C. (2017). Cross-National Comparative Communication about the Risks of Nanotechnologies. In K. H. Jamieson, D. Scheufele, & D. Kahan (Eds.), *Oxford Handbook on the Science of Science Communication*. Oxford, UK: Oxford University Press.

Thomas, M., Pidgeon, N., Evensen, D., Partridge, T., Hasell, A., Enders, C., Harthorn, B., & Bradshaw, M. (2017) Public Perceptions of Hydraulic Fracturing for Shale Gas and Oil in the United States and Canada. *WIREs Climate Change*, 8(3). Doi: 10.1002/wcc.450.

Partridge, T., Thomas, M., Harthorn, B., Pidgeon, N., Hasell, A., Stevenson, L., & Enders, C. (2017) Seeing Futures Now: Emergent US and UK Views on Shale Development, Climate Change and Energy Systems. *Global Environmental Change*, 42, 1-12.

Partridge, T. (2017). Unconventional Action and Community Control: Rerouting Dependencies Despite the Hydrocarbon Economy. In K. Jalbert, A. Willow, D. Casagrande & S. Paladino (Eds.) *ExtrACTION: Impacts, Engagements and Alternative Futures*. London/New York: Routledge.

Harthorn, B.H. (In Press). Nanotechnologies in Societal Context: Social, Ethical, and Governance Issues. In B. Bhushan (Ed.), *Springer Handbook of Nanotechnology*, (4<sup>th</sup> ed.) Ch. 44. Switzerland: Springer.

Harthorn, B. H. (In Press). Nanotechnology. In B. S. Turner (Ed.), *The Encyclopedia of Social Theory*. Wiley-Blackwell.

Pidgeon, N., Thomas, M., Partridge, T., Evensen, D., & Harthorn, B. (in press) Hydraulic Fracturing: A Risk for Environment, Energy Security and Affordability? In R. Kasperson (Ed.), *Risk Conundrums: Solving Unsolvable Problems*. New York: Routledge, Earthscan Risk in Society.

## **KAY, LUCIANO**

Kay, L. (2016). We need to innovate fast. *Journal of Responsible Innovation*, 3(3), 260-265.

**KUCZENSKI, BRANDON  
EL ABBADI, AMR**

Kuczenski, B., Davis, C., Rivela, B., and Janowicz, K. (2016) Semantic catalogs for life cycle assessment data. *Journal of Cleaner Production*, 137, 1109-17.

Kuczenski, B., Sahin, C., El Abbadi, A. (2017) Privacy-preserving aggregation in life cycle assessment. *Environment Systems and Decisions*, 37(1), 13-21.

Sahin, C., Kuczenski, B., Egecioglu, O., El Abbadi, A. (2017) Towards practical privacy-preserving life cycle assessment computations. *Proceedings of ACM CODASPY'17*, Phoenix, AZ.

**LIEN, PEI-TE**

Lien, Pei-te & Harvie, Jeanette (Forthcoming). Unpacking Chinese America: The Political Participation of Taiwanese Americans in Early 21st Century US. *Journal of Asian American Studies*, 21.

Harvie, Jeanette & Lien, Pei-te (Forthcoming). The Political Socialization of Immigrant Taiwanese Americans. *Chinese America: History & Perspectives* 2017

**MITHUN, MARIANNE**

Mithun, M. (in press). The Marking of Arguments in the Polysynthetic Verb and its Implications. In N. Evans, M. Fortescue, & M. Mithun (Eds.), *Handbook of Polysynthesis*. Oxford, UK: Oxford University Press.

Mithun, M. (in press). Polysynthesis in North America. In N. Evans, M. Fortescue, & M. Mithun (Eds.), *Handbook of Polysynthesis*. Oxford, UK: Oxford University Press.

**O'CONNOR, MARY**

O'Connor, M. I. (2016). *Mixtec Evangelicals: Globalization, Migration and Religious Change in a Oaxacan Indigenous Group*. Boulder: University Press of Colorado.

### **OPREA, RYAN**

Calford, E. & Oprea, R. (2017). Continuity, Inertia and Strategic Uncertainty: A Test of the Theory of Continuous Time Games. *Econometrica*, 85(3), 915-935.

### **PARK, JOHN**

Park, John S.W. (2017). 'It's a Strange Condition': Being in College Under a Cloud of Uncertainty, in T. Golash-Boza (Ed.), *Fenced Out and Fenced In*. Oxford University Press.

### **ROSSIN-SLATER, MAYA**

Isen, A., Rossin-Slater, M., & Walker, W. R. (2017). Every Breath You Take – Every Dollar You'll Make: The Long-Term Consequences of the Clean Air Act of 1970. *Journal of Political Economy*, 125(3), 848-902.

### **SMITH, STUART**

Buzon, M. R., Smith, S. T., & Simonetti, A. (2016). Entanglement and the Formation of Ancient Nubian Napatan State. *American Anthropologist* 118(2), 284-300.

Smith, S. T., & Buzon, M. (2017). New Kingdom Egyptian Colonialism in Nubia at the Third Cataract: A Diachronic Examination of Sociopolitical Transition (1750-650 BC). In M. Murphey & H. Klaus (Eds.), *Colonized Bodies, Worlds Transformed: Toward a Global Bioarchaeology of Contact and Colonialism*. In a volume in the series "Bioarchaeological Interpretations of the Human Past: Local, Regional, and Global Perspectives," C. S. Larsen (Ed.) (pp. 71-94). University Press of Florida, Gainesville.

Schrader, S. A., Smith, S. T., Olsen, S., & Buzon, M. (in press). Symbolic Equids: The Burial of a Third Intermediate Period Horse at Tombos and Kushite State Formation. *Antiquity*.

### **STOHL, CYNTHIA**

Afifi, W. A., Gangi, K., Blascovich, J., Afifi, T. D., Cornick, J. E., Merrill, A. F., Ryan, W., & Sterling, K. (2016). Mothers' Impact on Daughters' Cardiovascular Reactivity in a High-Threat Context: An Immersive Virtual Environment Study. *Human Communication Research*, 42(3), 371-395.

Agrawal, D., Chen, C. B., Dravenstott, R. W., Strömblad, C. T., Schmid, J. A., Darer, J. D., & Kumara, S. (2016). Predicting Patients at Risk for 3-Day Postdischarge Readmissions, ED Visits, and Deaths. *Medical care*, 54(11), 1017-1023.

Bhattacharjee, K., & Petzold, L. (2016). What Drives Consumer Choices? Mining Aspects and Opinions on Large Scale Review Data Using Distributed Representation of Words. *IEEE 16th International Conference on Data Mining Workshops (ICDMW)*, 908-915.

Buneman, P., Davidson, S., & Frew, J. (2016). Why Data Citation is a Computational Problem. *Communications of the ACM*, 59(9), 50-57.

Copeland, L., Hasell, A., & Bimber, B. (2016). Collective Action Frames, Advocacy Organizations, and Protests Over Same-Sex Marriage. *International Journal of Communication*, 10(23), 3785-3807.

Cornick, J. E., & Blascovich, J. (2016). Virtual Reality and Eating, Diabetes and Obesity. In C. D. Combs, J.A. Sokolowski, & C. M. Banks (Eds.), *The Digital Patient: Advancing Healthcare, Research, and Education* (pp. 179-198). Hoboken, NJ: John Wiley & Sons, Inc.

Dienlin, T., & Metzger, M. J. (2016). An Extended Privacy Calculus Model for SNSs: Analyzing Self-Disclosure and Self-Withdrawal in a Representative US Sample. *Journal of Computer-Mediated Communication*, 21(5), 368-383.

Fiorella, L., & Mayer, R. E. (2016). Effects of Observing the Instructor Draw Diagrams on Learning from Multimedia Messages. *Journal of Educational Psychology*, 108(4), 528.

Flyverbom, M, Leonardi, P., Stohl, C., Stohl, M. (2016). The Management of Visibilities in the Digital Age, Introduction to Special Section. *International Journal of Communication*, 10.

Hu, Y., Janowicz, K., and Couclelis, H. (2016) Prioritizing Disaster Mapping Tasks for Online Volunteers Based on Information Value Theory. *Geographical Analysis*, 49(2), 175-198.

Huang, X., & Mayer, R. E. (2016). Benefits of Adding Anxiety-Reducing Features to a Computer-based Multimedia Lesson on Statistics. *Computers in Human Behavior*, 63, 293-303.

Katz, K. & Shereen Sakr, L. (2016). On Developing a Teaching Module on Arab Social Media. *Cinema Journal Teaching Dossier*, 4(1).

Leonardi, P., & Vaast, E. (2016). Social Media and their Affordances for Organizing: A Review and Agenda for Research. *Academy of Management Annals*. DOI: doi.org/10.5465/annals.2015.0144

Liu, A. (2016). Hacking the Voice of the Shuttle: The Growth and Death of a Boundary Object. In J. Malloy (Ed.), *Social Media Archeology and Poetics*. Cambridge, MA: MIT Press.

Mayer, R. E., & Alexander, P. A. (Eds.). (2016). *Handbook of Research on Learning and Instruction*. New York, NY: Taylor & Francis.

McKenzie, G., Raubal, M., Janowicz, K., & Flanagan, A. (2016). Provenance and Credibility in Spatial and Platial Data. *Journal of Spatial Information Science*, 13, 101-102.

Raley, R. (2016). Algorithmic Translations. *CR: The New Centennial Review*, 16(1). UC Santa Barbara: Retrieved from: <https://escholarship.org/uc/item/9p08q4wq>

Regalia, B., McKenzie, G., Gao, S., & Janowicz, K. (2016). Crowdsensing Smart Ambient Environments and Services. *Transactions in GIS*, 20(3), 382-398. Doi: 10.1111/tgis.12233.

Schmitt P., & Belding, E. (2016). Navigating Connectivity in Reduced Infastructure Environments. ACM LIMITS - Computing within Limits, Irvine, CA, June.

Schmitt, P., Iland, D., Belding, E., Tomaszewski, B., Xu Y., & Maitland, C. (2016). Community-Level Access Divides: A Refugee Camp Case Study. ICTD, Ann Arbor, MI, June.

Schmitt, P., Iland, D., Belding, E. & Zheleva, M. (2016). PhoneHome: Robust Extension of Cellular Coverage. IEEE ICCCN, Waikoloa, HI, August.

Schmitt, P., Iland, D., & Belding, E. (2016). SmartCell: Small-Scale Mobile Congestion Awareness. *IEEE Communications Magazine (special issue on Wireless Technologies for Development)*, 54(7), 44-50.

Stohl, C. Stohl, M., & Leonardi, P (2016). Managing Opacity: Information Visibility and the Paradox of Transparency in the Digital Age. *International Journal of Communication*, 10.

Stratton, C., Sholler, D., Bailey, D., Leonardi, P., & Rodríguez-Lluesma, C. (2016). Competing Institutional Logics in ICT4D Education Projects: A South American Study. *Proceedings of the Eighth International Conference on Information and Communication Technologies and Development ACM*, 12.

- Valdés, G., & Barley, S. R. (2016). Be Careful What You Wish For: The Learning Imperative in Postindustrial Work. *Work and Occupations*, 43(4), 466-501.
- Winter, S., Metzger, M. J., & Flanagin, A. J. (2016). Selective Use of News Cues: A Multiple-Motive Perspective on Information Selection in Social Media Environments. *Journal of Communication*, 66(4), 669-693.
- Zvyagintsev, M., Klasen, M., Weber, R., Sarkheil, P., Esposito, F., Mathiak, K. A., et al. (2016). Violence-related Content in Video Game May Lead to Functional Connectivity Changes in Brain Networks as Revealed by fMRI-ICA in Young Men. *Neuroscience*, 320, 247-258.
- Ault, M. K., Ness, A. M., Taylor, W. D., Johnson, G., Connelly, M. S., Jensen, M. L., & Dunbar, N. E. (2017). Ideological Lens Matters: Credibility Heuristics, Pre-existing Attitudes, and Reactions to Messages on Ideological Websites. *Computers in Human Behavior*, 68(3), 315-325.
- Barley, S. R., Bechky, B. A., & Milliken, F. J. (2017). The Changing Nature of Work: Careers, Identities, and Work Lives in the 21st Century. *Academy of Management Discoveries*, 3(2), 111-115.
- Bimber, B. (2017). Book Review of Helen Margetts, Peter John, Scott Hale, & Taha Yasseri's Book: "Political Turbulence: How Social Media Shape Collective Action." *International Journal of Press and Politics*, 22(1), 133-134.
- Bimber, B. (2017). Three Prompts for Collective Action in the Context of Digital Media. *Political Communication*, 34(1), 6-20.
- Burgoon, J. K., Dunbar, N. E. & Elkins, A. (2017). Analyzing Video and Audio Nonverbal Dynamics: Kinesics, Proxemics, Haptics and Vocalics. In A. Van Lear & D. Canary (Eds.), *Researching Communication Interaction Behavior: A Sourcebook of Methods and Measures* (pp. 35-44). Thousand Oaks, CA: Sage.
- Chun, D. M. (2017). Research Methods for Investigating Technology for Language and Culture Learning. In Chapelle, C.A., & Sauro, S. (Eds.), *The Handbook of Technology and Second Language Teaching and Learning* (pp. 393-408). Hoboken, NJ: John Wiley & Sons, Inc.
- Cornick, J. E., & Blascovich, J. (2017). Physiological Responses to Virtual Exergame Feedback for Individuals with Different Levels of Exercise Self-Efficacy. *International Journal of Virtual Reality*, 17(1), 32-53.
- Earl, J., Copeland, L., & Bimber, B. (2017). Routing Around Organizations: Self-directed Political Consumption. *Mobilization: An International Quarterly*, 22(2), 131-153.



- ElSherief, M., Belding, E., & Nguyen, D. (2017). #NotOkay: Understanding Gender-based Violence in Social Media. AAAI Conference on Web and Social Media (ICWSM), Montreal, Canada, May.
- Fiorella, L., van Gog, T., Hoogerheide, V., & Mayer, R. E. (2017). It's All a Matter of Perspective: Viewing First-person Video Modeling Examples Promotes Learning of an Assembly Task. *Journal of Educational Psychology*, 109(5), 653.
- Fiorella, L., & Mayer, R. E. (2017). Spontaneous Spatial Strategy Use in Learning from Scientific Text. *Contemporary Educational Psychology*, 49, 66-79.
- Flanagin, A. J. (2017). Online Social Influence and the Convergence of Mass and Interpersonal Communication. *Human Communication Research*. doi:10.1111/hcre.12116.
- Flanagin, A. J., & Metzger, M. J. (2017). Digital Media and Perceptions of Source Credibility in Political Communication. In K. Kenski & K. Hall-Jamieson (Eds.), *The Oxford Handbook of Political Communication*.
- Flanagin, A. J., & Metzger, M. J. (2017). Digital Media and Perceptions of Source Credibility in Political Communication. In K. Kenski & K. Hall Jamieson (Eds.), *The Oxford Handbook of Political Communication*. 417. Oxford: Oxford University Press.
- Gao, S., Janowicz, K., and Couclelis, H. (2017) Extracting Urban Functional Regions from Points of Interest and Human Activities on Location-based Social Networks. *Transactions in GIS*, 21(3), 446-467.
- Georgiou T., El Abbadi A., Yan X. (2017). Privacy-Preserving Community-Aware Trending Topic Detection in Online Social Media. In G. Livraga & S. Zhu (Eds.), *Data and Applications Security and Privacy XXXI. DBSec 2017*. Lecture Notes in Computer Science, vol. 10359. Springer, Cham.
- Georgiou, T., El Abbadi, A., & Yan, X. (2017). Privacy Cyborg: Towards Protecting the Privacy of Social Media Users. *2017 IEEE 33rd International Conference on Data Engineering (ICDE)*, 1395-1396.
- Georgiou, T., El Abbadi, A., & Yan, X. (2017). Extracting Topics with Focused Communities for Social Content Recommendation. *Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing*, 1432-1443.
- Green, C. S., Kattner, F., Eichenbaum, A., Bediou, B., Adams, D. M., Mayer, R. E., & Bavelier, D. (2017). Playing Some Video Games but not Others is Related to Cognitive Abilities: A Critique of Unsworth et al. *Psychological Science*, 28(5), 679-682.

Grizzard, M., Tamborini, R., Sherry, J. L., & Weber, R. (2017). Repeated Play Reduces Video Games' Ability to Elicit Guilt: Evidence from a Longitudinal Experiment. *Media Psychology*, 20(2), 267-290.

Leonardi, P. M. (2017). The Social Media Revolution: Sharing and Learning in the Age of Leaky Knowledge. *Information and Organization*, 27(1), 47-59.

Mayer, R. E. (2017). Using Multimedia for e-learning. *Journal of Computer Assisted Learning*. DOI: 10.1111/jcal.12197

McLaren, B. M., Adams, D. M., Mayer, R. E., & Forlizzi, J. (2017). A Computer-based Game that Promotes Mathematics Learning More than a Conventional Approach. *International Journal of Game-Based Learning (IJGBL)*, 7(1), 36-56.

Medders, R. B., & Metzger, M. J. (2017). The Role of News Brands and Leads in Exposure to Political Information on the Internet. *Digital Journalism*, 1-20.

Metzger, M. J., & Suh, J. J. (2017). Comparative Optimism About Privacy Risks on Facebook. *Journal of Communication*, 67(2), 203-232.

Nekrasov, M., Parks, L., & Belding, E. (2017). Limits to Internet Freedoms. ACM LIMITS, Santa Barbara, CA, June.

Nekrasov, M., Iland, D., Metzger, M., Zhao, Y., & Belding, E. (2017). SecurePost: Verified Group-Anonymity on Social Media. 7th USENIX Workshop on Free and Open Communications on the Internet (FOCI), Vancouver, Canada, August.

Ness, A., Johnson, G., Ault, M., Taylor, W. D., Griffith, J. A., Connelly, S., Dunbar, N. E. & Jensen, M. J. (2017). Reactions to Ideological Websites: The Impact of Emotional Appeals, Credibility Cues, and Pre-existing Attitudes. *Computers in Human Behavior*, 72, 496-511.

Parong, J., Mayer, R.E., Fiorella, L., MacNamara, A., Homer, B., Plass, J. (2017). Learning Executive Function Skills by Playing Focused Video Games. *Contemporary Educational Psychology*, 51, 141 -151.

Ponce, H. R., Mayer, R. E., Figueroa, V. A., & López, M. J. (2017). Interactive Highlighting for Just-In-Time Formative Assessment During Whole-class Instruction: Effects on Vocabulary Learning and Reading Comprehension. *Interactive Learning Environments*, 1-19.

Raley, R. & Amooore, L. (2017). Securing with Algorithms: Knowledge, Decision, Sovereignty. *Security Dialogue*, 48(1), 1-8.

Rawson, K., Stahovich, T. F., & Mayer, R. E. (2017). Homework and Achievement: Using Smartpen Technology to Find the Connection. *Journal of Educational Psychology, 109*(2), 208.

Smolentsev, A., Cornick, J. E., & Blascovich, J. (2017). Using a Preamble to Increase Presence in Digital Virtual Environments. *Virtual Reality, 1-12*.

Vigil-Hayes, M., Duarte, M., Park, N. D. & Belding, E. (2017). #Indigenous: Tracking the Connective Actions of Native American Advocates on Twitter. ACM CSCW, Portland, OR, February. Best Paper Award Honorable Mention.

## **STOHL, MICHAEL**

Afary, J., Friedland, R., Gardinali, P., & Naslund, C. (2016). Contradictions of Muslim Romance in The Facebook Age. *global-e journal, 9*(9) (December)

Afary, J., & Afary, K. (2017). The Rhetoric and Performance of the Trickster Nasreddi. *Iran Namag*.

Barandiarán, J., & Walsh, C. (2017). Production/destruction in Latin America. *Journal of Political Ecology, 24*, 716-725.

Buntaine, M. T. (2016). *Giving Aid Effectively: The Politics of Environmental Performance and Selectivity at Multilateral Development Banks*. Oxford University Press.

Buntaine, M. T., Parks, B. C., & Buch, B. P. (2017). Aiming at the Wrong Targets: The Domestic Consequences of International Efforts to Build Institutions. *International Studies Quarterly*.

Buntaine, M. (2017). Escaping the Valley of Disengagement: Two Field Experiments on Citizen Motivations to Engage in Collaborative Governance. *Discovering Solutions for Global Wellbeing*, 1st edition, UC Blum Research Action Network, California, p.23

Buntaine, M. (2017). Electoral Accountability in Inhibited Information Environments: Disclosing Budget Performance by Mobile Phone in Uganda. *Discovering Solutions for Global Wellbeing*, 1st edition, UC Blum Research Action Network, California, p.24

Brysk, A. (2016). The Quest for Constructive Criticism: Critical Approaches to Human Rights. In A. T. Chase (Ed.), *Handbook on Human Rights and the Middle East and North Africa*. Routledge.

Brysk, A. & Stohl, M. (Eds.) (2017). *Expanding Human Rights: 21st Century Norms and Governance*. Edward Elgar Publishing.

- Brysk, A. (2017). The Future of Human Rights. *global-e journal*, 10(1).
- Brysk, A. & Mehta, A. (2017). When Development Is Not Enough: Structural Change, Conflict and Gendered Insecurity. *Global Society*, 31(4), 1-19.
- Curtin, M. (2016). Regulating the Global Infrastructure of Film Labor Exploitation. *International Journal of Cultural Policy*, 22(5), special issue: 'Film Policy in a Globalized Cultural Economy.'
- Curtin, M. & Sanson, K. (Eds.) (2017). *Voices of Labor: Creativity, Craft, and Conflict in Global Hollywood*. University of California Press.
- Curtin, M. (2017). Twenty-First Century Global Dynamics. *global-e journal*, 10(24).
- Curtin, M. (2017). Between State and Capital: Asia's Media Revolution in the Age of Neo-Liberal Globalization. *International Journal of Communication*, 11.
- Davenport, F., Steigerwald, D., & Sweeney, S. (2016). Open Trade, Price Supports, and Regional Price Behavior in Mexican Maize Markets. *Economic Geography*, 92(2), 201-225.
- Englund, S., & Stohl, M. (2016). Constructions of Terrorism. *Perspectives on Terrorism*, 10(3).
- Englund, S., & Stohl, M. (2016). Violent political movements: comparing the Shining Path to the Islamic State. *Perspectives on Terrorism*, 10(4).
- Falk, R., & Faessel, V. (Eds.) (2017). Public Imagination: The Challenge of Populist and Authoritarian Politics. *global-e journal*, 10(5).
- Falk, R., Mohanty, M. & Faessel, V. (Eds.) (2017). *Exploring Emergent Global Thresholds: Toward 2030*. Delhi: Orient Blackswan.
- Felipe, J., & Mehta, A. (2016). Deindustrialization? A global perspective. *Economics Letters*, 149, 148-151.
- Friedland, R., Afary, J., Gardinali, P., & Naslund, C. (2016). Love in the Middle East: The Contradictions of Romance in the Facebook World. *Critical Research on Religion*. Sage Press.
- Hasan, R., Kapoor, N., Mehta, A., & Sundaram, A. (2017). Labor Regulations, Employment and Wages: Evidence from India's Apparel Sector. *Asian Economic Policy Review*, 12(1), 70-90.
- Juergensmeyer, M. (2017). *Terror in the mind of God: The global rise of religious violence*, 13. University of California Press.

- Pellow, D. N. (2016). Toward a Critical Environmental Justice Studies: Black Lives Matter as an Environmental Justice Challenge. *Du Bois Review: Social Science Research on Race*, 13(2), 221-236.
- Pellow, D. N. (2016). Environmental justice and rural studies: A critical conversation and invitation to collaboration. *Journal of Rural Studies*, 47(38), 1e386.
- Pellow, D. N. (2016). Greening Africana Studies: Linking Environmental Studies with Transforming Black Experiences. *Contemporary Sociology*, 45(4), 493-495.
- Pieterse, J. N. (2016). Democracy is coming. In C. Wungao, B. Rehbein & S. Wungao, (Eds.), *Globalization and Democracy in Southeast Asia: Challenges, Responses and Alternative Futures*. London: Palgrave Macmillan.
- Pieterse, J. N. (2016). Long histories of globalization. In T. Hodos (Ed.), *The Routledge Handbook of Archaeology and Globalization*. London: Routledge.
- Pieterse, J. N., Guo, C., & Debin, L. (Eds.) (2017). *China's Contingencies and Globalisation*. London: Routledge.
- Pieterse, J. N. (2017). Futures we want: Positives, negatives, balance. In M. Schulz (Ed.), *Global Sociology and Struggles for a Better World* (ISA Forum 2016, Vienna).
- Pieterse, J. N. (2017). *Globalization and culture: Global Mélange*. Seoul, Ecolivres (Korean trans.).
- Smith, B. K., Figueroa-Caballero, A., Chan, S., Kovacs, R., Middo, E., Nelson, L., Palacios, R., Yelimeli, S. & Stohl, M. (2016). Framing Daesh: Failures and Consequences. *Perspectives on Terrorism*, 10(4).
- Smith, B., Figueroa-Caballero and Stohl, M. (forthcoming 2017). Framing terrorism: The communicative constitution of the terrorist actor, Chapter 8. In M. Stohl, R. Burchill, & S. Englund, S. (Eds.). *Constructions of Terrorism*. Berkeley: University of California Press.
- Sotoudeh, R., Friedland, R., & Afary, J. (2017). Digital Romance: The Sources of Facebook Love in the Muslim World. *Media, Culture, and Society*. Sage Press.
- Stohl, M., & Stohl, C. (2017). Human rights and corporate social responsibility. In A. Brysk & M. Stohl (Eds.), *Expanding Human Rights: 21st Century Norms and Governance*, p.115-136.
- Stohl, M., Lichbach, M. I., & Grabosky, P. N. (Eds.). (2017). *States and Peoples in Conflict: Transformations of Conflict Studies*. Taylor & Francis.

Stohl, M., Burchill, R., & Englund, S. H. (Eds.). (2017). *Constructions of Terrorism: An Interdisciplinary Approach to Research and Policy*. University of California Press.

Walsh, C. (2016). Distinctiveness and Totality. *Current Anthropology*, 57(6): 845-846.

Walsh, C. (2017). Mineral Springs, Primitive Accumulation, and the 'New Water' in Mexico. *Discovering Solutions for Global Wellbeing*, 1st edition, UC Blum Research Action Network, California, p.26.

Walsh, C. (2017). Groundwater and Grapes in California's Central Coast (2014-present). *Discovering Solutions for Global Wellbeing*, 1st edition, UC Blum Research Action Network, California, p.26

Widick, R., & Foran, J. (2016). Whose Utopia? Our Utopia! Competing Visions of the Future at the UN Climate Talks. *Nature and Culture*, 11(3), 296-321.

### **THÉBAUD, SARAH**

Doering, L. & Thébaud, S. (2017). The Effects of Gendered Occupational Roles on Men's and Women's Workplace Authority: Evidence from Microfinance. *American Sociological Review*, 82(3), 542-567.

Kuwabara, K. & Thébaud, S. (2017). When Beauty Doesn't Pay: Gender and Beauty Biases among Entrepreneurs in a Peer-to-peer Loan Market. *Social Forces*, 95(4), 1371-1398.

Weeden, K. A., Thébaud, S., & Gelbgiser, D. (2017). Degrees of Difference: Gender Segregation of US Doctorates by Field and Institutional Prestige. *Sociological Science*, 4, 123-150.

Byrne, J., Fattoum, S., Thébaud. "A Suitable Boy? Gendered Roles and Hierarchies in Family Business Succession" Revise and resubmit (3rd round) at European Management Review.

Charles, M. & Thébaud, S. (Eds.) (2017). Gender and STEM: Understanding Segregation in Science, Technology, Engineering and Mathematics. *Social Sciences*, Special Issue. MDPI.

### **VOORHIES, BARBARA**

Voorhies, B. and Arvey, M. (2016). Classic Period Ritual Ceramics from the Coast of Chiapas Mexico. *Ancient Mesoamerica*, 27, 91-108.

Voorhies, B, and Martínez-Tagüeña, N. (2017). Clamming Up: An Ethnoarchaeological Study of a Costa Rican Artisanal Clam Fishery. *Journal of Island and Coastal Archaeology*, 0, 1-23. <http://dx.doi.org/10.1080/15564894.2016.1262483>

Voorhies, B. (2016). Vegetation Formations of the Upper Grijalva Basin. In M. Blake, T. A. Lee, Jr., M. E. Pye, & J. E. Clark (Eds.), *Upper Grijalva River Basin Survey*. Papers of the New World Archaeological Foundation, 79, 21-47.

### **WEBER, RENE**

Weber, R., Huskey, R., & Craighead, B. (2017). Flow Experiences and Well-being: A Media Neuroscience Perspective. In M. B. Oliver & L. Reinecke (Eds.), *Handbook of media use and well-being: International perspectives on theory and research on positive media effects*. New York, NY: Routledge.

Huskey, R., Craighead, B, Miller, M., and Weber, R. (in preparation). Intrinsic Reward Motivates Large-Scale Shifts Between Cognitive Control and Default Mode Networks During Task Performance. Target publication venue: Proceedings of the National Academy of Sciences (PNAS).

### **WEINBERGER, CATHERINE**

Weinberger, C. J. (Forthcoming). Engineering Educational Opportunity: Impacts of 1970s and 1980s Policies to Increase the Share of Black College Graduates with Major in Engineering or Computer Science. In R. Freeman & H. Salzman (Eds.), *U.S. Engineering in a Global Economy*. National Bureau of Economic Research; University of Chicago Press.

### **WINANT, HOWIE**

Bacchetta, Paola, and Sunaina Maira (Forthcoming) *Global Raciality: Empire, Postcoloniality, And Decoloniality*. Foreword by Howard Winant. New York: Routledge, "A New Racial Studies Book."

Park, John S.W (Forthcoming). *Immigration Law and Society*. Malden MA: Polity Press.

**PRESENTATIONS**  
**July 1, 2016 – June 30, 2017**

**BELTZ, GLENN**  
**CASTELLANOS, MARIO**

Enrique Guzman presented “Mathematics, Engineering, Science Achievement (MESA) Summer Coding Program through Oracle Education” at the 2016 STEM Symposium Conference, Anaheim, CA, October 10, 2016.

**BUCHOLTZ, MARY**

Anna Bax presented "The Effect of Sociolinguistics Pedagogy on Youth Attitudes toward Marginalized Varieties of English," at New Ways of Analyzing Variation 45, Simon Fraser University, Vancouver, BC, November 2016.

Mary Bucholtz presented (invited), “Respetar mi idioma’: Promoting Sociolinguistic Justice through Youth Research and Activism,” at the Linguistics Colloquium Series, University of California, Merced, November 2016.

Mary Bucholtz presented “Free Speech, Linguistic Violence, and the Role of Linguists in Creating a Socially Just Academy,” at the Annual Meeting of the Linguistic Society of America, Austin, TX, January 2017.

Katie Lateef-Jan, Jessica Love-Nichols, Anna Bax, and Mary Bucholtz presented “Orgullosamente indígena: Mexican Indigenous Immigrant Youth in Pursuit of Educational and Sociolinguistic Justice,” at the Annual Meeting of the Linguistic Society of America, Austin, TX, January 2017.

Anna Bax presented "Using Sociolinguistic Pedagogy to Improve Youth Attitudes toward Marginalized Varieties of English," at the Annual Meeting of the American Association for Applied Linguistics, Portland, OR, March 2017.

Mary Bucholtz presented “‘Spanglish Is a Skill, Not a Mistake’: Latina/o Youth as Linguistic and Cultural Experts,” at the Linguistics Symposium, California State University, Fullerton, April 2017.

Anthony Clairmont, Tara Clark, Jin Sook Lee, and Mary Bucholtz presented "Layers Nobody Knows About: School Kids Investigating Language in Life and Society," at the American Dream Research Association, San Antonio, TX, April 2017.



Alberto A., Patty A., Flavio C., Litzy H., Mari L., Rosaelia L., Esmeralda M., Maria M., Anayeli R., Crystal T., Clarisa V., and Elizabeth Villa presented "The Power of Podcasts: New Media as a Way to Support Indigenous Oral Traditions" at the 20th Annual Workshop on American Indigenous Languages, UC Santa Barbara, CA, May 2017. *(The last names of the SKILLS youth participants have been omitted for their protection.)*

**BUCHOLTZ, MARY**  
**LOVE-NICHOLS, JESSICA**

Mary Bucholtz, Katie Jan, Jessica Love-Nichols, and Anna Bax presented "Orgullosamente indígena: Mexican Immigrant Indigenous Youth in Pursuit of Educational and Sociolinguistic Justice" as part of a panel entitled *Language and Educational Justice: A Dialogue between Linguistics and Linguistic Anthropology* at the Linguistics Society of American Annual Meeting, Austin, Texas, January 5-8, 2017.

The Tequio Youth Group, Katie Jan, Jessica Love-Nichols, and Anna Bax were invited to present "Orgullosamente indígena: Mexican Immigrant Indigenous Youth in Pursuit of Educational and Sociolinguistic Justice" at the 17th Lusophone and the Hispanic Graduate Student Conference, University of California, Santa Barbara, February 16-17, 2017.

**BUNTAINE, MARK**

Mark Buntaine presented "Repairing Information Underload: The Effects on Vote Choice of Information Provided by Mobile Phone on Politician Performance in Uganda," at the Twaweza Uganda Office, Kampala, Uganda, July 2016.

Mark Buntaine presented "Repairing Information Underload: The Effects on Vote Choice of Information Provided by Mobile Phone on Politician Performance in Uganda," at the American Political Science Association Annual Conference, Philadelphia, PA, September 2016.

Mark Buntaine presented "Repairing Information Underload: The Effects on Vote Choice of Information Provided by Mobile Phone on Politician Performance in Uganda," at the University of Toronto Political Behavior Workshop, Toronto, Canada, November 2016.

Mark Buntaine presented "Harnessing the Crowd to Improve Accountability and the Delivery of Public Services: A Field Experiment in Kampala," at the Earth Systems Governance Conference, Nairobi, Kenya, December 2016.

Mark Buntaine presented "Does Transparency Mobilize Citizens and Decrease Corruption? A Field Experiment with Revenue-Sharing Funds in Bwindi National Park, Uganda," at the Earth Systems Governance Conference, Nairobi, Kenya, December 2016.

Mark Buntaine presented "Harnessing the Crowd to Improve Accountability and the Delivery of Public Services: A Field Experiment in Kampala," at the 10th Annual Experimental Political Science Conference, New York University, New York, NY, February 2017.

Mark Buntaine presented "Can Information Outreach Increase Participation in Community-Driven Development? A Field Experiment near Bwindi National Park, Uganda," at the International Food Policy Research Institute, Washington, D.C., April 2017.

Mark Buntaine presented "Can Information Outreach Increase Participation in Community-Driven Development? A Field Experiment near Bwindi National Park, Uganda," at a Working Group in African Political Economy, UC-Berkeley, CA, June 2017.

### **CASILLAS, DOLORES INÉS**

Dolores Inés Casillas presented "Racial Politics of Language Learning Applications" at the Society for Cinema and Media Studies, Chicago, IL, March 24, 2017.

### **CASTELLANOS, MARIO**

Juens Kuhns and Virginia Estrella (SBCC), Eliseo Gonzalez (OC), William Hart (VC), and Mario Castellanos (UCSB), panelists, presented "Multi-Institutional Alliances for Student Success" at the Alliance of HSI Educators Best Practice National Conference, Las Vegas, NV, April 10, 2017.

### **CHARLES, MARIA**

David Lawson presented "Child Brides in Tanzania: International Development, Anthropology and 'Saving Children'," at the Broom Center Seminar series, UCSB, CA, November 21, 2016.

Brenda Major presented "The Threat of Increasing Diversity: Why Many Whites Supported Trump in the 2016 Presidential Election," at the Broom Center Seminar series, UCSB, CA, February 6, 2017.

Narayani Lasala-Blanco presented "Where There's a Will There isn't Always a Way: The Impact of Local Institutions on Immigrant Political Participation," at the Broom Center Seminar series, UCSB, CA, May 22, 2017.

Erika Arenas presented "Remittance Sending and the Mental Health of Mexican Immigrants in the United States," at the Broom Center Seminar series, UCSB, CA, June 5, 2017.

**COSMIDES, LEDA  
TOOBY, JOHN**

Dan Conroy-Beam presented, "A Multidimensional Approach to Human Mate Selection," at the 15th Annual Evolutionary Psychology SPSP Preconference on January 19, 2017.

John Tooby presented a perspective for the Study Group on the Root Causes of Polarization of the Social Science Research Council in Santa Barbara, California on January 21, 2017.

Leda Cosmides presented, "Cognitive adaptations for social exchange," at the University of Edinburgh School of Philosophy, Psychology and Language Sciences Psychology Seminar, Edinburgh, Scotland, February 24, 2017

Leda Cosmides presented, "Can race be erased?" at the USC Law and Social Science/Psychology CLASS Workshop hosted by the Gould School of Law and the Social Psychology Brown Bag Series, Los Angeles, CA, March 6, 2017.

John Tooby and Leda Cosmides presented, "Coalitional identity theory," at the 29th Annual Meeting of the Human Behavior and Evolution Society, Boise, ID, June 1, 2017.

Leda Cosmides and collaborators presented a poster on, "Rational Moral Intuitions," at the 29th Annual Meeting of the Human Behavior and Evolution Society, Boise, ID, June 1, 2017.

Sakura Arai, Michael Barlev, Leda Cosmides and John Tooby presented, "Willingness to Share with YOU Matters: Why Generosity is Attractive in Romantic and Cooperative Partner Choice," at the 29th Annual Meeting of the Human Behavior and Evolution Society, Boise, ID, June 1, 2017.

Steven Gaulin and a collaborator presented, "Women with the small waist sizes and low body mass indices judged attractive do not have better health and higher fertility," at the 29th Annual Meeting of the Human Behavior and Evolution Society, Boise, ID, June 1, 2017.

Michael Barlev, Sakura Arai, Leda Cosmides and John Tooby presented, "Willingness to physically protect in romantic and cooperative partner choice," at the 29th Annual Meeting of the Human Behavior and Evolution Society, Boise, ID, June 2, 2017.

Tadeg Quillien and Leda Cosmides presented, "The evolution of non-consequentialist moral judgment," at the 29th Annual Meeting of the Human Behavior and Evolution Society, Boise, ID, June 2, 2017.

Adar Eisenbruch and James Roney presented, "What is fairness? Evidence that fairness judgments reflect the demands of a biological market of long-term cooperative relationships," at the 29th Annual Meeting of the Human Behavior and Evolution Society, Boise, ID, June 3, 2017.

Jason Wilkes presented, "Foundations of social decision making: The psychophysics of welfare tradeoffs," at the 29th Annual Meeting of the Human Behavior and Evolution Society, Boise, ID, June 3, 2017.

## **DUNBAR, NORAH**

Aubrie Adams presented "Fibbing and Physics" at the UCSB Graduate Division Lunch and Learn, bi-monthly university colloquium, UCSB, CA, August 2016:

Norah Dunbar presented "Creating serious games for law enforcement and the intelligence community" (invited), at the UCSB Center for Technology and Society meeting, October 2016:

Norah Dunbar and others presented "VERITAS: Designing a digital game to train law enforcement about nonverbal cues to deception," at the 102<sup>nd</sup> National Communication Association, Philadelphia PA, November 2016

Norah Dunbar and others presented "Exploring learner-centered factors in the development of a digital deception detection training game," (invited) at the Hawaii International Conference on System Sciences, Waikoloa, Hawaii, January 2017.

J. F. Nunamaker, J. K. Burgoon, Norah Dunbar, and V. S. Subrahmanian, V. S. presented "Demonstration and Evaluation of the Socio-Cultural Attitudinal Networks Project for Eliciting Diagnostic Indicators of Deceit," (invited) at the Credibility Assessment and Screening Technologies Symposium, Hawaii International Conference on System Sciences, Kona HI, January 2017.

Aubrie Adams presented "Busting Deception Myths with a Digital Learning Game," at the UCSB Department of Communication Recruitment Weekend Grad Slam, February, 2017.

Norah Dunbar and others presented “VERITAS: The gamification of deception detection training, (a game demo), at the Game Studies Pre-Conference at the 67th International Communication Association, San Diego, CA, May, 2017

Aubrie Adams presented “Student-Centered Factors as Predictors for Learning and Motivation in Digital Games,” a UCSB Dissertation Defense, UCSB Communication Department, Santa Barbara, June 2017.

### **FLANAGIN, ANDREW**

Andrew Flanagin presented “Exploring the Credibility of Online Information: A Proposed Framework for Understanding Experiential Credibility,” at the Annual Meeting of the International Communication Association, San Diego, CA, May 2017.

### **FORD, ANABEL**

Various lectures presented locally, nationally and regionally in the Maya forest.  
Participation in Spanish Table, Vista Del Monte

September 16, 2016: UCSB host Dr. Beverly Chiarulli lithic collections review for SAA presentation.

October 16, 2016: Germany University, Heidelberg Petrology/Volcanology collaboration.

November 16, 2016: Los Angeles Rolex 40th Awards for Enterprise.

January 17, 2017: El Camino College presentation on El Pilar.

January 17, 2017: UCSB Ecosur soil scientist visit, Jorge Mondoza, on collaboration in the Maya forest

January 17, 2017: Participation and Presentation at annual Seed Swap, Santa Barbara Permaculture

May 17, 2017: Belize Rotary presentation on community work at El Pilar.

May 17, 2017: UCSB Spatial Discovery participation with the Maya forest GIS.

May 17, 2017: Belize Host site visit by Ecosur Islebe and Torrescano collaboration at El Pilar.

June 17, 2017: Belize Host site visit of Dr. Isendahl and Dr. Graham on interdisciplinary projects.

## **GAMBLE, LYNN**

The Assistant Coordinator of CCIC, Jessika Akmenkalns, gave a presentation to Dr. Melissa Chatfield, the Director of Education at the Santa Barbara Trust for Historic Preservation, and ten undergraduate archaeological field school students. The presentation included an overview of the CCIC's mission and the ways that it stores, manages, processes, and distributes information about historical and archaeological resources at both the state and local levels. The field school was undertaking archaeological excavations at the Santa Barbara Presidio, Santa Barbara, CA, July 12, 2016.

## **GLASSOW, MICHAEL**

Michael Glassow presented "Women's Context in Settlement Systems During the Milling Stone Horizon," at the Society for California Archaeology 51st Annual Meeting, Fish Camp, CA, March 9-12, 2017.

Michael Glassow presented "Ronald Olson's Contributions to the Establishment of Chronological Frameworks for Santa Barbara Channel Prehistory", at the Society for California Archaeology 51st Annual Meeting, Fish Camp, CA, March 9-12, 2017.

Jennifer Perry, Michael A. Glassow, Mark Neal, and Kelly Minas presented "Santa Barbara Island: Insights into the Prehistory of California's Channel Islands through its Smallest Island," (poster) at the Society for American Archaeology 82nd Annual Meeting, Vancouver, Canada, March 29 - April 4, 2017.

## **GURVEN, MICHAEL**

Michael Gurven presented "Is cardiovascular disease inevitable? Insights from the Bolivian Amazon," at the British Association for Biology Anthropology and Osteoarchaeology Meeting, Canterbury, UK. September 9-11, 2016.

Michael Gurven presented "Atherosclerosis in contemporary preindustrial populations: does it exist and is it clinically relevant?" at the American Association of Physical Anthropology Meeting. New Orleans, LA, April 20-22, 2017.

Michael Gurven presented "Heart disease in hunter-gatherers?" at the CARTA Meeting: Implications of Anthropogeny for Medicine and Health, UCSD/Salk Institute, October 14, 2016.

Michael Gurven presented "What can we learn about non-communicable diseases from hunter-gatherers?" (invited) at the CARTA Meeting: Implications of Anthropogeny for Medicine and Health, UCSD/Salk Institute, October 15, 2016.

Michael Gurven presented “Lesson from non-WEIRD populations: aging among contemporary preindustrial humans,” (invited) at the Developing Informed Animal Models of Social Aging Expert Meeting, National Academy of Sciences, Washington, DC, May 8-9, 2017.

Michael Gurven and M. Nichter presented “Risk perceptions, self-control and other psychological underpinnings of health-related lifestyle behavior,” (invited) at the Social Medical Environmental & Other Factors of Risk (SoMEOFUS) Study Planning Meeting, Boston University Medical School, Boston, MA, May 31, 2017.

**GURVEN, MICHAEL  
PISOR, ANNE**

Anne Pisor and Mike Gurven presented “When to diversify, and with whom? Choosing partners among out-group strangers in lowland Bolivia,” at the American Anthropological Association (AAA), Evolutionary Anthropology Society (EAS), Minneapolis, MN, November 16-20, 2016

Ann Pisor presented “Recursos, identidades, y amistades: Generosidad a desconocidos en Alto Beni y el Beni,” at the Noches de Antropología, Asociación Departamental de Antropólogos de la Paz, 2017.

Ann Pisor presented “Intergroup tolerance: A plastic human strategy, in phylogenetic context and in contemporary practice,” at the Department of Biological Anthropology, University of Cambridge, 2017.

**HAN, HAHRIE**

Hahrie Han presented at a strategic planning meeting of the PICO National Network, Los Altos, CA., July 16, 2016.

**HARTHORN, BARBARA HERR**

Barbara Herr Harthorn, Tristan Partridge, Catherine Enders, Merryn Thomas, and Nick Pidgeon presented “Exploring perceived health risks of ‘fracking’ for shale oil and gas extraction in public deliberations in the US and UK,” at the annual meeting of the American Anthropological Association, Minneapolis, MN, November 16-20, 2016.

Barbara Herr Harthorn, Tristan Partridge, Catherine Enders, Merryn Thomas, and Nick Pidgeon presented “Health risk perception, justice and bodily resilience in US and UK public perceptions of fracking,” at the annual meeting of the Society for Risk Analysis, San Diego, CA, December 11-14, 2016.

Tristan Partridge, Barbara Herr Harthorn, Merryn Thomas, and Nick Pidgeon presented “Deliberating shale development in the US and UK: Emergent views on issues of urgency and inequality,” at the annual meeting of the Society for Risk Analysis, San Diego, CA, December 11-14, 2016.

Mary Collins, Barbara Herr Harthorn, Terre Satterfield, and Lauren Copeland presented “Place-based hazard risk perception: Spatial disproportionalities in the context of fracking,” at the annual meeting of the Society for Risk Analysis, San Diego, CA, December 11-14, 2016.

Barbara Herr Harthorn, Tristan Partridge, Laura Halcomb, Ingrid Feeney, Nick Pidgeon, and Merryn Thomas presented “Perceived health risks of ‘fracking’ for shale oil and gas extraction in public deliberations in the US and UK,” at the annual meeting of the Society for Applied Anthropology, Santa Fe, NM, March 28-April 2, 2017.

Barbara Herr Harthorn, (invited) presented “Intuitive Toxicology,” at the symposium on Toxics in Everyday Life, UCLA School of Law, June 9, 2017.

#### **HARTHORN, BARBARA PARTRIDGE, TRISTAN**

Tristan Partridge presented “Urgency, Inequality and Energy Imperatives: Deliberating Shale Extraction in the US and UK,” at the Energy Impacts Symposium (energyimpacts.org), Columbus, OH, July 26-27, 2016.

Tristan Partridge presented “Values, Invisibilities and Conceptions of the Underground in Fracking Deliberations,” at Petrocultures 2016: The Offshore, Memorial University, Canada, August 31 – September 3, 2016.

Tristan Partridge, Barbara Herr Harthorn, Merryn Thomas, and Nick Pidgeon presented “Energy, Urgency and Responsibility: Emergent Views on Unconventional Fossil Fuels,” at the American Anthropological Association, Minneapolis, MN, November 16-20, 2016.

Barbara Herr Harthorn, Tristan Partridge, Catherine Enders, Merryn Thomas and Nick Pidgeon presented “Exploring Perceived Health Risks of ‘Fracking’ for Shale oil and Gas Extraction in Public Deliberations in the US and UK,” at the Annual Meeting of the American Anthropological Association, Minneapolis, MN, November 16-20, 2016.



Tristan Partridge, Barbara Harthorn, Merryn Thomas, and Nick Pidgeon presented "Deliberating Shale Development in the US and UK: Emergent Views on Issues of Urgency and Inequality," at the Annual Meeting of the Society for Risk Analysis, San Diego, CA, December 11-14, 2016.

Barbara Harthorn, Tristan Partridge, Catherine Enders, Merryn Thomas, and Nick Pidgeon presented "Health Risk Perception, Justice and Bodily Resilience in US and UK Public Perceptions of Fracking," at the Annual Meeting of the Society for Risk Analysis, San Diego, CA, December 11-14, 2016.

Mary Collins, Barbara Herr Harthorn, Terre Satterfield, and Lauren Copeland presented "Place-based Hazard Risk Perception: Spatial Disproportionalities in the Context of Fracking," at the Annual Meeting of the Society for Risk Analysis, San Diego, CA, December 11-14, 2016.

Barbara Herr Harthorn, Tristan Partridge, Laura Halcomb, Ingrid Feeney, Nick Pidgeon, and Merryn Thomas presented "Perceived Health Risks of 'Fracking' for Shale Oil and Gas Extraction in Public Deliberations in the US and UK," at the Annual Meeting of the Society for Applied Anthropology, Santa Fe, NM March 28-April 2, 2017.

Cassandra Engeman, Jennifer Rogers-Brown and Barbara Herr Harthorn presented "Mobilizing in the Context of Uncertainty: Social Movement Organizations and Contentious Issues of Nanotechnology Safety, Governance, and Responsible Development," at the Society for the Study of Social Problems Annual Meeting, Session 161, Montreal, Quebec, Canada, August 13, 2017.

Tristan Partridge presented "Justice in Energy Futures? Deliberating Shale Development in the US and UK," at the Department of Social Sciences Seminar, Michigan Technological University, Houghton, MI, February 3, 2017.

### **KATSIKA, ARGYRO**

Argyro Katsika presented "The role of phrasing in phrase edge marking" at the UCLA Phonetics Lab Colloquium, UCLA, Los Angeles, CA, March 13, 2017.

### **KENDALL, BRUCE GAINES, STEVEN GENETTI, CAROL**

Bruce Kendall and Carol Genetti presented "Lessons from UCSB Crossroads: Facilitating interdisciplinary approaches to research and undergraduate teaching" at the 59th Annual Meeting of the Western Association of Graduate Schools, Seattle, WA, March 19-22, 2017.

**KLAWUNN, MARGARET  
EQUINOVA, KIMBERLY**

Kali Lantrip, Psychologist, and Briana Conway, Acting Director of CARE, presented "Extending Interpersonal Violence Advocacy Services to Include a Broader Collaboration of Health and Healing," at the 2017 NASPA Sexual Violence Prevention and Response Strategies Conference, Austin, Texas, January 20, 2017.

**KUCZENSKI, BRANDON  
EL ABBADI, AMR**

Brandon Kuczenski presented "Toward distributed computation and validation of LCA results" at the ACLCA - LCA XVI, Charleston, SC, September 29, 2016.

Omer Egecioglu presented C. Sahin's "Toward practical privacy-preserving life cycle assessment computations," at the ACM CODASPY'17, Phoenix, AZ, May 2017.

Brandon Kuczenski presented "Inventory model description and revision: Developing a Capability Roadmap," at the ISIE/ISSST 2017, Chicago, IL, June 29, 2017.

**LIEN, PEI-TE**

Jeanette Harvie and Pei-te Lien presented "Politics and Preferences of New Americans: Chinese/Taiwanese American Immigrants' Attitudes Toward Race and Affirmative Action," at the 2016 Annual Meeting of the American Political Science Association, Philadelphia, September 1-4, 2016.

Pei-te Lien presented "Asian Americans and Political Participation," at Johns Hopkins University, Baltimore, MD, September 13, 2016.

Pei-te Lien presented "Social Science Approaches to Understanding Asian American Communities and Representation," at the 2017 Annual Meeting of the Association for Asian American Studies, Portland, OR, April 13-15, 2017.

**MITHUN, MARIANNE  
CAMINSKY WENZENCZNY, DIBELLA**

Dibella Caminsky presented "Moving Towards Moving Along: A New Pathway to Motion Cases," at the Linguistics Department Colloquium, UCSB, Santa Barbara, CA, January 19, 2017.

Dibella Caminsky presented "The Proof is in the (Anti)Passive: Valency, Transitivity, and Aspect in Chukotko-Kamchatkan," at the 91st Annual Meeting of the Linguistic Society of America, Austin, TX, January 7, 2017.

### **O'CONNOR, MARY**

Mary I. O'Connor presented "Mixteco Diaspora?" at the meeting of the Red de Investigadores del Fenómeno Religioso en México, Claremont, CA, June 1, 2017.

### **OPREA, RYAN**

Ryan Oprea presented "Why Do People Violate No-Trade Theorems? A Diagnostic Experiment," at Chapman University, Orange, CA, January 4, 2017

Ryan Oprea presented "Why Do People Violate No-Trade Theorems? A Diagnostic Experiment," at the Public Choice Society Meetings, New Orleans, March 3, 2017.

Ryan Oprea presented "Why Do People Violate No-Trade Theorems? A Diagnostic Experiment," at the Queen's University, Kingston, Ontario, Canada, April 3, 2017.

Ryan Oprea presented "Why Do People Violate No-Trade Theorems? A Diagnostic Experiment," at the University of Maryland Economics department, College Park, MD, April 25, 2017.

Ryan Oprea presented "Why Do People Violate No-Trade Theorems? A Diagnostic Experiment," at George Mason University, ICES, Fairfax, VA, April 28, 2017.

Ryan Oprea presented "Aggregation and Convergence in Experimental General Equilibrium Economies Constructed Using Naturally Occurring Preferences," at the Society for the Advancement of Economic Theory meetings, Faro Portugal, June 27, 2017.

Ryan Oprea presented "Aggregation and Convergence in Experimental General Equilibrium Economies Constructed Using Naturally Occurring Preferences," at the Technical University of Berlin, Germany, July 5, 2017.

Ryan Oprea presented "Aggregation and Convergence in Experimental General Equilibrium Economies Constructed Using Naturally Occurring Preferences," at the Stanford Institute for Theoretical Economics, Stanford University, CA, August 21, 2017.

Ryan Oprea presented "Are Biased Beliefs Fit to Survive? An Experimental Test of the Market Selection Hypothesis," at the University of Alabama, September 9, 2017

**PALERM, JUAN VICENTE**  
**LAMON, SHELLEY**

Shelley LaMon presented "Salir de la Sombras [To leave the shadows]: The Life, Leadership and Community Organizing of Cielo Gomez, an Indigenous Maya Woman from Highland Chiapas, Mexico" at the Society for Applied Anthropology Annual Meeting, Santa Fe, New Mexico, March 28-April 1st, 2017.

**PARK, JOHN**

John Park presented "Coming Into an Awareness: Unlawful Children in American Law and Society" at the Yonsei International Summer School, July 2016.

John Park presented "Coming Into an Awareness: Unlawful Children in American Law and Society" at the Harvard Law School lectures on Diversity and U.S. Legal History series, Harvard Law School, Cambridge, MA, September 23, 2016.

**ROSSIN-SLATER, MAYA**

Jenna Stearns presented "Paid Family Leave, Fathers' Leave-Taking, and Leave-Sharing in Dual-Earner Households" at the AEA meeting, San Francisco, CA, January 2016.

**SCHREIBER, KATHARINA**  
**KERCHUSKY, SARAH**

Sarah L. Dost Kerchusky and Corina Kellner presented a poster "Isotopic Analysis of Nasca Trophy Head Individuals from Zorropata, Las Trancas Valley, Nasca, Peru," at the Institute of Andean Studies 57<sup>th</sup> Annual Meeting, Berkeley, CA, January 6-7, 2017.

Sarah L. Dost Kerchusky, Chris La Placa and Jovana Hernandez presented a poster "Analysis of Faunal Remains from Zorropata: An EIP and Middle Horizon Nasca Habitation Site Located in the Las Trancas Valley, Nasca, Peru," at the Institute of Andean Studies 57<sup>th</sup> Annual Meeting, Berkeley, CA, January 6-7, 2017

Sarah L. Dost Kerchusky presented "INAA of Loro Ceramics from Zorropata, a Middle Horizon Las Trancas Habitation Site in Nasca, Peru," at the 82nd annual meeting of the Society for American Archaeology in Vancouver, B.C., March 29-April 2, 2017.

## **SMITH, STUART**

Stuart Tyson Smith and Erin E. Bornemann presented “Liminal Deities in the Borderlands: Bes and Pataikos in Ancient Nubia,” at the World Archaeology Congress, Kyoto, Japan, August 2016.

Stuart Tyson Smith presented “Tombos in the 25th Dynasty: Cultural entanglements and polyphonic identities,” at the 12th International Conference for Meroitic Studies, National Museum, Prague, Czech Republic, September 2016.

Stuart Tyson Smith delivered the Keynote Lecture, “Entanglements: Egypt and Nubia, Anthropology and Egyptology,” at the “State of the Field Symposium: Egyptian Archaeology,” Joukowsky Institute of Archaeology, Brown University, October 2016.

Stuart Tyson Smith delivered the Kazimierz Michalowski Memorial Lecture, Ministry of Antiquities and Polish Centre of Mediterranean Archaeology, Cairo, Egypt, March 2017.

Stuart Tyson Smith presented “Entangled Lives: Intercultural Interactions in the Nubian Borderlands,” Society for American Archaeology (SAA), Vancouver, Canada, March 2017.

Stuart Tyson Smith delivered the Hermann Memorial Lecture, Boston Museum of Fine Arts, Boston, MA, April 2017.

## **SMITH, STUART AKMENKALNS, JESSIKA**

Jessika Akmenkalns presented “Cultural Continuity and Change in the Wake of Ancient Nubian-Egyptian Interaction,” at the Society for American Archaeology annual meeting, Vancouver, British Columbia, Canada, March 29-April 2, 2017.

## **STOHL, MICHAEL**

Mark Buntaine presented “What are the Electoral Effects of Disclosing Budget Irregularities? A Field Experiment in Uganda,” to the Political Economy and Development Research Hub Working Paper Series, UCSB, Santa Barbara, CA, October 28, 2016.

B. K. Smith, A. Figueroa-Caballero, M. al-Gharbi, & Michael Stohl presented “Al Qaeda in the American consciousness: The role of al Qaeda in framing the global terrorist threat,” at the meeting of the National Communication Association, Philadelphia, PA, November, 2016.

B. K. Smith, R. Kovacs, & Michael Stohl presented “The communicative constitution of the terrorist actor: Organizational metaphors and the discourse of al Qaeda,” at the meeting of the National Communication Association, Philadelphia, PA., November, 2016.

S. Englund presented “Reaching for the Remote: Drones and the United States’ Counter-terror Mission,” at the Constructions of Terrorism Conference, Kings College, London, December 2016.

Amit Ahuja and Aashish Mehta presented “How Does Growth Affect Corruption? Exit, Empowerment and Voice in Indian Public Services,” to the Political Economy and Development Research Hub Working Paper Series, UCSB, Santa Barbara, CA, December 1, 2016.

B. K. Smith presented “Countering violent extremism: Construction of the threat and implications for counterterrorism policy,” at the Department of Communication Colloquium, University of California, Santa Barbara. February 2017.

S. Englund presented “Identifying Current Trends in Terrorism and Counter-terrorism,” to the University of California, Santa Barbara Police Supervisors, Santa Barbara, CA, February 16, 2017.

Martin Ravallion (Georgetown University) presented “Interventions Against Poverty in Poor Places,” in a public lecture, UCSB Santa Barbara, CA, March 6, 2017.

Richard Appelbaum, Nelson Lichtenstein, Ian Bentley (CEO/Co-Founder, Parker Clay), and Aditi Mayer (Sustainable Fashion Blogger/UCI student) participated in a panel discussion “Think Twice: Exploring Who and What Lies Behind Everyday Products and their Supply Chains,” UCSB, Santa Barbara, CA, April 19, 2017

S. Englund presented “Defining Terrorism, Current Trends in Violence and Counter-terror efforts,” to the Allan Hancock College Police Academy, Santa Barbara, CA, April 20, 2017.

Christopher Jones presented “Economic Growth on a Finite Planet: Robert Solow, Growth Theory, and the Environment,” to the Political Economy and Development Research Hub, UCSB, Santa Barbara, CA, May 26, 2017.

## **STOKES, LEAH**

Leah Stokes presented "Evaluating Water Conservation Policy in California" at the Environmental Politics and Governance conference, Indiana University, June 2017.

## **THÉBAUD, SARAH**

Sarah Thébaud presented “‘The Women Always Fail Thing’: The Specter of Motherhood in the Careers of Young Scientists and Engineers,” at the Academy of Management Annual Meeting Symposium, Anaheim, CA, August 2016

Sarah Thébaud presented “The Effects of Gendered Occupational Roles on Men's and Women's Workplace Authority: Evidence from Microfinance,” at the Academy of Management Annual Meeting, Anaheim, CA, August 2016

Sarah Thébaud presented “Gender Bias in Entrepreneurial Financing,” (invited) at MIT Sloan School of Management, Cambridge, MA, September 2016.

Sarah Thébaud presented “Opting into Work-Family Policies: Comparing the Effects of Material and Cultural Concerns,” (invited) at the Department of Sociology, University of British Columbia, Vancouver, BC, February 2017.

Sarah Thébaud presented “When do Work-Family Policies Work for Men and Women? Unpacking Material versus Cultural Factors,” (invited) at the Department of Sociology, University of California, Berkeley, March 2017.

Sarah Thébaud presented “When do Work-Family Policies Work for Men and Women? Unpacking the Effects of Formal Policies versus Informal Practices,” at the Population Association of America Meeting, Chicago IL, April 2017

## **VANDERWARKER, AMBER BIWER, MATTHEW**

Matthew Biwer presented "Preliminary Analysis of Middle Horizon Paleoethnobotanical Remains from Quilcapampa La Antigua, Arequipa, Peru" at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver, BC, Canada March 29-April 2, 2017.

## **VESPA, EMANUEL**

Emanuel Vespa and Alistair J Wilson presented “Information Transmission and the Shadow of the Future,” (invited) at several universities and in conferences. During 2016/17 we have presented it in seminars at Florida State University, Pennsylvania State University, the University of Arizona, the University of Pittsburgh, Ohio State University, UC Berkeley, UC Irvine, UC Riverside, UC Santa Cruz, UC San Diego, UC Santa Barbara, University College London, and the University of Virginia. We have also presented it in several conferences, such as the Stanford Institute of Theoretical Economics (Experimental Economics segment), the international meeting of the ESA

in Jerusalem and the meetings of the Society for the Advancement of Economic Theory in Faro, Portugal.

**WALSH, CASEY**

Casey Walsh (invited) presented "Regulando la crisis del Agua de Subsuelo: El Sustainable Groundwater Management Act en California," at the El Colegio de la Frontera Norte, Monterrey, Mexico, November 10, 2016

Casey Walsh (invited) presented "Principles of Good Governance," at the Sustainable Groundwater Management on the Central Coast workshop, San Luis Obispo, CA, January 31, 2017

**WEBER, RENE**

R. Huskey, B. Craighead, M. Miller and R. Weber presented "Intrinsic Reward Motivates Large-Scale Shifts Between Cognitive Control and Default Mode Networks During Task Performance," (invited) at The Ohio State University Center for Cognitive and Brain Sciences Annual Retreat, Mt Sterling, OH, August, 2016.

**WILSON, GREG**

**FRIBERG, CHRISTINA**

Christina M. Friberg presented "Cahokian Interactions in the Neighboring Lower Illinois River Valley: Recent Investigations at the Audrey-North Site," at the 73rd Annual Southeastern Archaeological Conference, Athens, GA., October 26-29, 2016.

**WILSON, GREG**

**SANTY, JENNA**

Jenna Santy presented "Life by the Lake: Plant Use in Late Owens Valley Prehistory," at the Society for California Annual Meeting, Fish Camp, CA, March 9-12, 2017.





# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

## Statistical Summary 2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

STATISTICAL SUMMARY FOR: Institute for Social, Behavioral and Economic Research

	2016-2017
1. Academic personnel engaged in research:	
a. Faculty	107
b. Professional Researchers (including Visiting)	44
c. Project Scientists	1
d. Specialists	1
e. Postdoctoral Scholars	8
f. Postgraduate Researchers	0
TOTAL	161
2. Graduate Students:	
a. Employed on contracts and grants	75
b. Employed on other sources of funds	39
c. Participating through assistantships	28
d. Participating through traineeships	20
e. Other (specify)	47
TOTAL	209
3. Undergraduate Students:	
a. Employed on contracts and grants	56
b. Employed on other funds	12
c. Number of volunteers, & unpaid interns	371
TOTAL	439
4. Participation from outside UCSB: (optional)	
a. Academics (without Salary Academic Visitors)	15
b. Other (HS teachers, Alumni & Industry volunteers)	155
TOTAL	170
5. Staff (Univ. & Non-Univ. Funds):	
a. Technical	11
b. Administrative/Clerical	34
TOTAL	45
6. Seminars, symposia, workshops sponsored	103
7. Proposals submitted	98
8. Number of different awarding agencies dealt with*	77
9. Number of extramural awards administered	101
10. Dollar value of extramural awards administered during year**	\$16,944,762
11. Number of Principal Investigators***	140
12. Dollar value of other project awards ****	\$3,153,458
13. Number of other projects administered	152
14. Total base budget for the year (as of June 30, 2017)	\$832,956
15. Dollar value of intramural support	\$2,779,239
16. Total assigned square footage in ORU	13,274
17. Dollar value of awards for year	\$4,444,396

\* Count each agency only once (include agencies to which proposals have been submitted).

\*\* If the award was open during the year, even if for only one month, please include in total.

\*\*\* Number of PIs, Co-PIs and Proposed PIs (count each person only once.)

\*\*\*\* Other projects - such as donation, presidential awards, fellowships, anything that isn't core budget, extramural, or intramural.



# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

Principal Investigators  
2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

**ACTIVE PRINCIPAL INVESTIGATORS  
AND CO-PRINCIPAL INVESTIGATORS  
July 1, 2016 – June 30, 2017**

Adler-Kassner, Linda	Writing Program / L&S	Professor / Co-Interim Dean
Ahuja, Amit	Political Science	Associate Professor
Akmenkalns, Jessika	Anthropology	Graduate Student
Alagona, Peter	History & Environmental Studies	Associate Professor
Amar, Paul	Global & International Studies	Professor
Ameeriar, Lalaie	Asian-American Studies	Associate Professor
Anderson, Sarah	Bren School of Environmental Science & Management	Associate Professor
Appelbaum, Richard	Global & International Studies	Professor Emeritus
Arenas Velazquez, Erika	Sociology	Assistant Professor
Barandiarán, Javiera	Global & International Studies	Assistant Professor
Barba, Ana	Chicano Studies	Graduate Student
Barvosa, Edwina	Feminist Studies	Associate Professor
Bedard, Kelly	Economics	Professor & Chair
Beltz, Glenn	College of Engineering	Professor
Bermudez, Rosie	Chicana and Chicano Studies	Graduate Student
Bimber, Bruce	Political Science	Professor & Chair
Biwier, Matthew	Anthropology	Graduate Student
Blackwell, Aaron	Anthropology	Associate Professor
Blankholm, Joseph	Religious Studies	Assistant Professor
Boris, Eileen	Feminist Studies	Hull Professor
Brown, Michelle	Anthropology	Assistant Professor
Bucholtz, Mary	Center for California Languages & Cultures / Linguistics	Director / Professor
Buntaine, Mark	Bren School of Environmental Science & Management	Assistant Professor
Campbell, Eric	Linguistics	Assistant Professor
Casillas, Dolores Inés	Center for California Languages & Cultures / Chicano Studies	Co-Director / Associate Professor
Castellanos, Mario	Office of Education Partnerships	OEP Executive Director
Charity Hudley, Anne	Linguistics	Professor
Charles, Maria	Broom Center / Sociology	Director / Professor
Chavez-Garcia, Miroslava	History	Professor
Cheng, Yi-Yang	Linguistics	Graduate Student
Clarke, Keith	Geography	Professor
Collins, Nancy	QMSS / Psychological & Brain Sciences	Professor

Cosmides, Leda	Center for Evolutionary Psychology / Psychological & Brain Sciences	Co-Director / Professor
Curtin, Michael	Mellichamp Cluster / Film & Media Studies	Professor / Director
Czuleger, Cathy	Recreation	Sr. Associate Director
Damluji, Mona	Film and Media Studies	Assistant Professor
Dunbar, Norah	Communication	Professor
El Abbadi, Amr	Computer Science	Professor
Equinoa, Kimberly	Office of the Dean of Students, Student Life	Assistant Dean of Students
Flanagin, Andrew	Communication	Professor
Ford, Anabel	Mesoamerican Research Center / ISBER	Director / Researcher
Friberg, Christina	Anthropology	Graduate Student
Fujino, Diane	Asian-American Studies	Professor
Gaines, Steve	Bren School of Environmental Science & Management	Professor
Gamble, Lynn	Anthropology	Professor
Garcia, Angela	Anthropology	Graduate Student
Gaulin, Steve	Anthropology	Professor
Gehlbach, Hunter	Gevirtz Graduate School of Education	Associate Professor
Genetti, Carol	Graduate Division / Linguistics	Dean / Professor
Geyer, Roland	Bren School of Environmental Science & Management	Associate Professor
Gibbs, Jennifer	Communication	Professor
Glassow, Michael	Anthropology	Professor Emeritus
Gottfried, Michael	Gevirtz Graduate School of Education	Associate Professor
Gurven, Michael	Anthropology	Professor
Gutierrez-Jones, Carl	English	Professor
Hajjar, Lisa	Sociology	Professor
Han, Hahrie	Political Science	Associate Professor/Anton Vonk Chair in Environmental Politics
Harthorn, Barbara Herr	Center for Nanotechnology & Society / Anthropology	Director / Professor
Hawker, Craig	Materials Research Lab	Professor
Hernández, Ellie	Chicano/a Studies	Associate Professor
Hoelle, Jeffrey	Anthropology	Associate Professor
Juergensmeyer, Mark	Global & International Studies	Professor
Kam, Jennifer	Communication	Associate Professor
Katsika, Argyro	Linguistics	Assistant Professor
Kay, Luciano	ISBER	Assistant Researcher

Kendall, Bruce	Bren School of Environmental Science & Management	Professor
Kennedy, Robert	Linguistics	Lecturer
Kerchusky, Sarah	Anthropology	Graduate Student
Kim, Lina	Summer Sessions	Director
Kippin, Tod	Psychological and Brain Sciences	Professor
Klawunn, Margaret	Office of the Vice Chancellor for Student Affairs	Vice Chancellor for Student Affairs
Kuczynski, Brandon	ISBER	Associate Researcher
Kurin, Danielle	Anthropology	Assistant Professor
Kyrtziz, Amelia	Gevirtz School, Graduate School of Education	Professor
LaMon, Shelley	Anthropology	Graduate Student
Lasala-Blanco, Narayani	Political Science	Assistant Professor
Lawson, David	Anthropology	Assistant Professor
Leombruni, Lisa	Bren School of Environmental Science & Management	Program Manager & Lecturer
Lewis, Kyle	Technology Management Program	Professor
Lieberman, Debra	Center for Digital Games Research / Communication	Director / Lecturer
Lien, Pei-te	Political Science	Professor
Love-Nichols, Jessica	Linguistics	Graduate Student
Lucas, Gene	Chemical Engineering	Professor
Ludkowvski, Michael	Statistics & Applied Probability	Professor
Luna, Zakiya	Sociology	Assistant Professor
Lundberg, Shelly	Broom Center for Demography / Economics	Co-Director / Professor
McCray, W. Patrick	History	Professor
Mehta, Aashish	Global Studies	Associate Professor
Metzger, Miriam	Communication	Professor
Miescher, Stephan	History	Associate Professor
Mildenberger, Matto	Political Science	Assistant Professor
Miller-Young, Mireille	Feminist Studies	Associate Professor
Mithun, Marianne	Linguistics	Professor
Montague, Dena	ISBE	Assistant Project Scientist
Moser, Claudia	History of Art and Architecture	Assistant Professor
Narang, Neil	Political Science	Assistant Professor
O'Connor, Mary	ISBER	Researcher
Oliver, Melvin	Sociology	Professor
Oprea, Ryan	Economics	Professor
Palakurthy, Kayla	Linguistics	Graduate Student
Palerm, Juan-Vicente	Anthropology	Professor Emeritus

Park, John	Center for New Racial Studies / Asian American Studies	Co-Director / Professor & Chair
Partridge, Tristan	ISBER / CNS	Postdoctoral Scholar
Pellow, David	Environmental Studies	Dehlsen Endowed Chair, Professor
Pisor, Anne	Anthropology	Graduate Student
Rambelli, Fabio	East Asian Languages & Cultural Studies	Professor
Raymond, Geoffrey	Sociology	Professor
Reid, Scott	Communication	Professor
Rogers, Phillip	Linguistics	Graduate Student
Rossin-Slater, Maya	Economics	Assistant Professor
Royer, Heather	Economics	Associate Professor
Sabra, Adam	Center for Middle East Studies / History	Director / Professor
Sakr, Laila	Film & Media Studies	Assistant Professor
Saldivar Tanaka, Emiko	Anthropology	Associate Project Scientist
Santy, Jenna	Anthropology	Graduate Student
Schneider, Beth	McNair Scholars Program / Sociology	Director / Professor
Schreiber, Katharina	Anthropology	Professor
Seikaly, Sherene	Film & Media Studies	Associate Professor
Shea, Joan-Emma	Chemistry	Professor
Smith, Stuart Tyson	Anthropology	Professor
Startz, Dick	Economics	Professor
Stohl, Cynthia	Center for Information Technology & Society / Communication	Director / Professor
Stohl, Michael	Orfalea Center / Communication	Director / Professor
Stokes, Leah	Political Science	Assistant Professor
Szumliński, Karen	Psychological and Brain Sciences	Professor
Thébaud, Sarah	Sociology	Associate Professor
Tooby, John	Center for Evolutionary Psychology / Anthropology	Co-Director / Professor
Tyburczy, Jennifer	Feminist Studies	Associate Professor
VanDerwarker, Amber	Anthropology	Professor / Chair
Vespa, Emanuel	Economics	Assistant Professor
Voorhies, Barbara	Anthropology	Professor Emeritus
Vriesema, Christine	Gevirtz Graduate School of Education	Postdoctoral Scholar
Walker, Barbara	ISBER / Research Development for Social Sciences, Humanities and the Fine Arts, Office of Research	Project Scientist / Director
Walker, Janet	Film & Media Studies	Professor
Walsh, Casey	Anthropology	Associate Professor
Wdzenczny, Dibella	Linguistics	Graduate Student
Weber, Rene	Communication	Professor

Weinberger, Cathy	ISBER	Project Scientist
Williams, Ronald	Automated Vital Statistics System / ISBER	Director / Researcher
Wilson, Gregory	Anthropology	Associate Professor
Winant, Howard	Center for New Racial Studies / Sociology	Director / Professor
Woolley, John	Political Science	Professor
Young, Hillary	Ecology, Evolution & Marine Biology	Associate Professor





# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

Unit Participant  
2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

**UNIT PARTICIPANTS**  
**July 1, 2016 – June 30, 2017**

Adler-Kassner, Linda	Writing Program / L&S	Professor /Co-Interim Dean	PI
Afary, Janet	Religious Studies	Professor	Center participant
Agey, Elizabeth	Anthropology	Graduate Associate	Center participant
Agrawal, Divyakant	Computer Science	Professor	Center participant
Ahuja, Amit	Political Science	Associate Professor	PI
Ainley, Kirstin	London School of Economics	Assistant Professor	Center participant
Akmenkalns, Jessika	Anthropology	Graduate Student	Co-PI
Alagona, Peter	History & Environmental Studies	Associate Professor	PI / Center participant
Al Eid, Carina Roth	East Asian Languages & Cultural Studies	Postdoctoral Scholar	Center participant
Ali, Muhamad	UC Riverside	Associate Professor	Center participant
Almeroth, Kevin	Computer Science	Professor	Center participant
Amar, Paul	Global & International Studies	Professor	PI / Center participant
Ameeriar, Lalaie	Asian-American Studies	Associate Professor	PI
Anderson, Amy	Anthropology	Graduate Associate	Center participant
Anderson, Kevin	Sociology	Professor	Center participant
Anderson, Sarah	Environmental Science and Management	Associate Professor	PI / Center participant
Andreopoulos, George	City University of New York	Professor	Center participant
Anheier, Helmut	Orfalea Center for Global & International Studies	Fellow	Center participant
Apodaca, Clair	Virginia Tech	Associate Professor	Center participant
Appelbaum, Richard	Global & International Studies	Professor Emeritus	Co-PI / Center participant
Arai, Sakura	Psychological & Brain Sciences	Graduate Student	Center participant
Arenas Velazquez, Erika	Sociology	Assistant Professor	PI / Center participant
Armbruster, Ralph	Chicano/a Studies	Associate Professor	McNair Mentor
Ásgeirsdóttir, Tinna	University of Iceland	Professor	Center participant
Atif Ahmad, Ahmad	Religious Studies	Professor	Center participant
Ayoub, Phillip	Drexel University	Assistant Professor	Center participant

Bacchetta, Paola	UC Berkeley	Associate Professor	Center participant
Badamo, Heather	History of Art & Architecture	Assistant Professor	Center participant
Baez, Carlos	Geography	Graduate Associate	Center participant
Bamieh, Bassam	Mechanical Engineering	Professor	Center participant
Bana, Sarah	Economics	Graduate Associate	Center participant
Banks, Jacqueline	Geography	Graduate Associate	Center participant
Barandiaran, Javiera	Global & International Studies	Assistant Professor	PI
Barba, Ana	Chicano Studies	Graduate Student	Co-PI
Barbieri-Low, Anthony	History	Professor	Center participant
Barlev, Michael	Psychological & Brain Sciences	Graduate Student	Center participant
Barley, Stephen R.	College of Engineering	Christian A. Felipe Professor of Technology Management	Center participant
Barnett, Miya	Gevirtz Graduate School of Education	Assistant Professor	McNair Mentor
Baroud, Ramzy	Orfalea Center for Global & International Studies	Non-resident Scholar	Center participant
Barvosa, Edwina	Feminist Studies	Associate Professor	PI
Bator, Melissa	Communication / CITS / Orfalea Center	Graduate Student / Manager / Office Coordinator	Center participant
Bazerman, Chuck	Girvetz School, Graduate School of Education	Professor	Center participant
Beaudrie, Christian	University of British Columbia	GSR / CNS	Center participant
Bedard, Kelly	Economics	Professor	PI / Center participant
Belding, Elizabeth	Computer Science	Professor	Center participant
Beltz, Glenn	College of Engineering	Professor	PI
Ben-Yaacov, Ilan	Electrical & Computer Engineering	Continuing Lecturer	Edison-McNair Mentor
Bender, Elijah	History	Graduate Student	Center participant
Bennett, Natasha	Political Science	Graduate Student	Center participant
Bermudez, Rosie	Chicana and Chicano Studies	Graduate Student	Co-PI
Bertelsen, Mark	Wilson Sonsini Goodrich & Rosati / CITS	Lawyer & Sr. Partner / External Advisory Board	Center participant
Bertucci, Mariano	Orfalea Center for Global & International Studies	Visiting Scholar	Center participant
Bhavnani, Kum-Kum	Sociology	Professor	Center participant

Bhering, Izabela		Photographer	Center participant
Bielby, Denise	Sociology	Professor	McNair Mentor
Bimber, Bruce	Political Science	Professor	PI
Birchenall, Javier	Economics	Associate Professor	Center participant
Biver, Matthew	Anthropology	Graduate Student	Co-PI
Blackwell, Aaron	Anthropology	Associate Professor	PI / Center participant
Blake, Felice	English	Assistant Professor	McNair Mentor
Blakeley, Sari	Geography	Graduate Associate	Center participant
Blankholm, Joseph	Religious Studies	Assistant Professor	PI
Blascovich, James J.	Psychological & Brain Sciences	Professor Emeritus	Center participant
Bloom, Peter	Film & Media Studies	Associate Professor	Center participant
Blumenthal, Debra	History	Associate Professor	Center participant
Boris, Eileen	Feminist Studies	Hull Professor	PI
Bostrom, Ann	University of Washington	Professor	Center participant
Bouraad-Nash, Marguerite	Political Science	Lecturer	Center participant
Bowers, John	Electrical & Computer Engineering/IEE	Professor	Center participant
Boyd, Elizabeth	CCALC	Undergraduate Intern	Center participant
Boyd, John Kirk	Unite for Rights	Director	Center participant
Boyer, Pascal	Washington University in St. Louis	Professor	Center participant
Brady, David	UC Riverside	Professor	Center participant
Brenner, Mary	Gevirtz Graduate School of Education	Professor	Center participant
Brittnacher, Tom	Library	Geospatial Data Curator	Center participant
Brown, John Seeley	University of Southern California	Visiting Scholar	Center participant
Brown, Michelle	Anthropology	Assistant Professor	PI
Bryant, Karl	SUNY, New Paltz	Assistant Professor	Center participant
Brysk, Allison	Global Studies	Mellichamp Professor	Center participant
Bucholtz, Mary	Center for California Languages & Cultures / Linguistics	Director / Professor	PI / Center Director / McNair Mentor

Bugental, Daphne	Psychological & Brain Sciences	Research Professor	Center participant
Bukcock, Heather	UC Santa Cruz	Professor	Center participant
Buntaine, Mark	Bren School of Environmental Science & Management	Assistant Professor	PI
Burbank, Douglas	Earth Science	Professor Emeritus	Center participant
Buss, David	University of Texas	Professor	Center participant
Cabezón, Jose	Religious Studies	Professor, Dalai Lama Endowed Chair	Center participant
Campbell, Eric	Linguistics	Assistant Professor	PI
Campo, Juan E.	Religious Studies	Associate Professor	Center participant
Campo, Magda	Religious Studies	Lecturer	Center participant
Cantrell, Akiyo	East Asian Languages & Cultural Studies	Lecturer	Center participant
Cao, Cong	University of Nottingham, UK	Associate Professor	Center participant
Carbado, Devon	UC Los Angeles	Professor	Center participant
Carney, Monica	Economics	Graduate Associate	Center participant
Casillas, Dolores Inés	Center for California Languages & Cultures / Chicano Studies	Associate Director / Associate Professor	PI / Associate Director
Cassels, Susan	Geography	Professor	Center participant
Castellanos, Mario	Office of Education Partnerships	OEP Executive Director	PI
Castiglioni, Andrea	Religious Studies	Postdoctoral Researcher/Lecturer	Center participant
Chaillé, Peter	Ecology, Evolution & Marine Biology	Postdoctoral Researcher	Center participant
Chang, Alenda	Film & Media Studies	Assistant Professor	Center participant
Charity Hudley, Anne	Linguistics	Professor	Co-PI
Charles, Maria	Sociology / Broom Center	Professor / Director	Center participant
Charness, Gary	Economics	Professor	Center participant
Chase, Anthony	Occidental College	Professor	Center participant
Chattopadhyay, Swati	History of Art & Architecture	Professor	Center participant
Chavez-Garcia, Miroslava	Chicano Studies	Professor	PI
Chen, Bella Shu-chuan	East Asian Languages & Cultural Studies	Lecturer	Center participant

Chen, Jia-Ching	Global Studies	Assistant Professor	Center participant
Chen, Peter	Automated Vital Statistics System	Sr. Programmer	AVSS Staff
Cheng, Yi-Yang	Linguistics		
Cherif, Feryal	Loyola Marymount University	Assistant Professor	Center participant
Chiu, Cathy	Library: East Asian Collections	Librarian	Center participant
Chixchan, Zacarias	San Andres Peten	Agriculturalist & Maya Forest Gardener	Center participant
Choi, Stephanie	Music	Graduate Student	Center participant
Chun, Dorothy	Gevirtz Graduate School of Education	Professor	Center participant
Cimino, Aldo	Center for Evolutionary Psychology	Postdoctoral Researcher	Center participant
Clancy, Patricia	Linguistics	Associate Professor Emerita	Center Director
Clarke, Keith C.	Geography	Professor	Co-PI / Center participant
Cleveland, David	Environmental Studies	Research Professor	Center participant
Coggins, Bridget	Political Science	Associate Professor	Center participant
Cole, Steve	HopeLab / UCLA	Vice President of Research & Development / Professor of Medicine	Center participant
Collins, Mary	SUNY-ESF	Assistant Professor	Center participant
Collins, Nancy	Psychological & Brain Sciences	Professor	QMSS
Collins, Peter	Ecology, Evolution & Marine Biology	Professor	Center participant
Colmenar, Gary A.	UCSB Library	Librarian	Center participant
Conroy-Beam, Dan	Psychological & Brain Sciences	Assistant Professor	Center participant
Cooper, Scott	Ecology, Evolution and Marine Biology	Research Professor	Center participant
Copeland, Lauren	Baldwin Wallace University	Assistant Professor	Center participant
Cornell, Devin	Sociology	Graduate Associate	Center participant
Corpuz, Randy	Psychological & Brain Sciences	Assistant Specialist	Center participant
Cosmides, Leda	Center for Evolutionary Psychology / Psychological & Brain Sciences	Co-Director / Professor	Center Director
Coucelis, Helen	Geography	Professor Emerita	Center participant

Cruz, Jon	Sociology	Associate Professor	Center participant
Cunningham, Kathleen	University of Maryland	Associate Professor	Center participant
Curtin, Michael	Film & Media Studies	Duncan & Suzanne Mellichamp Professor	Center participant
Czuleger, Cathy	Recreation	Interim Director	Co-PI
Damluji, Mona	Film & Media Studies	Assistant Professor	Co-PI / Center participant
Damuth, John	Biology	Research Biologist	Center participant
Daniels, Douglas	Black Studies	Professor Emeritus	Center participant
D'Antonio, Carl	Environmental Studies	Schuyler Professor	Edison-McNair Mentor
Darian-Smith, Eve	Global & International Studies Program	Professor	Center participant
Davenport, Frank	Geography	Associate Specialist	Center participant
Delton, Andrew	Stony Brook University	Assistant Professor	Center participant
Demski, Christina	Cardiff University, UK	Lecturer	Center participant
Deschenes, Olivier	Economics	Professor	Center participant
DeVries, Mattanjah	Chemistry	Assistant Professor	McNair Mentor
Douglass, Jeremy	English	Assistant Professor	Center participant
Dowdy, Eric	Gevirtz Graduate School of Education		McNair Mentor
Dunbar, Norah	Communication	Professor	PI / Center participant
Durán, Richard	Gevirtz Graduate School of Education	Professor	Center participant
Earl, Jennifer	University of Arizona	Professor	Center participant
Edgar, Adrienne	History	Associate Professor	Center participant
Egan, Susan Chan	Santa Barbara, CA	Independent Scholar	Center participant
Eisenbruch, Adar	Psychological & Brain Sciences	Graduate Student	Center participant
El Abbadi, Amr	Computer Science	Professor	Co-PI / Center participant
Ellis, Corrie	Sociology	Graduate Associate	Center participant
el Omari, Racha	Religious Studies	Associate Professor	Center participant
El-Tayeb, Fatima	UC San Diego	Professor	Center participant

Elver, Hilal	Global Studies / Orfalea Center for Global & International Studies	Research Professor / Fellow	Center participant
Engeman, Cassandra	Social Science Research Center, Berlin	Visiting Researcher	Center participant
Englund, Scott	Orfalea Center for Global & International Studies	Postdoctoral Research Fellow	Center participant
Ermer, Elsa	University of Maryland	Senior Research Analyst	Center participant
Equinoa, Kimberly	Office of the Dean of Students, Student Life	Assistant Dean of Students	Co-PI
Etter, Michael	Cass Business School	Research Fellow	Center participant
Evensen, Darrick	Cardiff University, UK	Research Fellow	Center participant
Everett, Anna	Film and Media Studies	Professor	Center participant
Everton, Macduff		Photographer	Center participant
Falk, Richard	Global Studies / Orfalea Center for Global & International Studies	Research Professor / Fellow	Center participant
Tanisha Fazal	Notre Dame University	Associate Professor	Center participant
Fernández, Ana	University of Santiago, Chile	Associate Professor	Center participant
Flanagin, Andrew	Communication	Professor	PI / Center participant
Fleming, William	East Asian Languages & Cultural Studies	Assistant Professor	Center participant
Foladori, Guillermo	Universidad Autonoma de Zacatecas, Mexico	Professor	Center participant
Foran, John	Sociology	Professor	Center participant
Ford, Anabel	Mesoamerican Research Center / ISBER	Director / Researcher	Center Director / PI
Forman, Fonna	UC San Diego	Associate Professor	Center participant
Freeman, Laurie	Political Science	Associate Professor	Center participant
Frew, James	Bren School of Environmental Science & Management	Associate Professor	Center participant
Friberg, Christina	Anthropology	Graduate Student	Co-PI
Friedkin, Noah	Sociology	Professor	Center participant
Friedland, Roger	Religious Studies	Professor Emeritus	Center participant
Frühstück, Sabine	East Asian Languages and Cultural Studies	Professor	Center participant
Fujino, Diane	Asian–American Studies / Center for Black Studies Research	Professor / Director	PI / Center Director



Gabrielson, Carl	East Asian Languages & Cultural Studies	Graduate Student	Center participant
Gaines, Steve	Bren School of Environmental Science & Management / Ecology, Evolution & Marine Biology	Dean/Professor	Co-PI / Center participant
Gallagher, Nancy	History	Professor Emeritus	Center participant
Gamble, Lynn	Anthropology	Professor	PI
Gannett, Leahkim	Library, East Asian Collections	Librarian	Center participant
Garcia, Angela	Anthropology	Graduate Associate	Co-PI / Center participant
Garr, W. Randall	Religious Studies	Professor	Center participant
Gaulin, Steven	Anthropology	Professor	PI / Center participant
Gazzaniga, Michael	Psychological & Brain Sciences	Professor	Center participant
Gehlbach, Hunter	Gevirtz School, Graduate School of Education	Associate Professor	PI
Genetti, Carol	Graduate Division / Linguistics	Dean / Professor	Co-PI
Gerber, Michael	Gevirtz School, Graduate School of Education	Professor Emeritus	Center participant
German, Tamsin	Psychological & Brain Sciences	Professor	Center participant
Geyer, Roland	Bren School of Environmental Science & Management	Associate Professor	PI
Ghosh, Bishnupriya	English	Professor	Center participant
Gibbs, Jennifer	Communication	Professor	PI / Center participant
Gibou, Frederic	Mechanical Engineering	Professor & Vice Chair	Edison-McNair Mentor
Gibson, Blair	El Camino College	Faculty	Center participant
Giles, Howard	Communication	Professor Emeritus	Center participant
Glassow, Michael	Anthropology	Professor Emeritus	PI
Golash-Boza, Tanya	UC Merced	Professor	Center participant
Gómez Isa, Filipe	University of Deusto	Professor	Center participant
Gomez-Ocampo, Yunuen	Spanish & Portuguese	Graduate Student	Center participant
Goodall, Jane		Conservationist	Center participant
Gottfried, Michael	Gevirtz School, Graduate School of Education	Associate Professor	PI
Gouraftei, Sarah Alami	Anthropology	Graduate Associate	Center participant

Grace, Kathryn	University of Utah	Assistant Professor	Center participant
Green, Judith	Gevirtz Graduate School of Education	Professor	Center participant
Grillot, Rachel	Psychological & Brain Sciences	Graduate Student	Center participant
Grosse, Corrie Ellis	Sociology	Graduate Student	Center participant
Guan, Daoxiong	East Asian Languages & Cultural Studies	Lecturer	Center participant
Guggenheim, Clarissa	El Pilar, Belize	Photographer	Center participant
Gurven, Michael	Anthropology	Professor	PI / Center participant
Gutierrez-Jones, Carl	English	Professor	Co-PI
Guzmán, Ricardo	Centro de Investigación en Complejidad Social (CICS), Universidad del Desarrollo	Academic Board	Center participant
Hacker, Bradley	Earth Sciences	Professor	Edison-McNair Mentor
Haer, Toon	VU University Amsterdam	PhD Candidate	Center participant
Hajjar, Lisa	Sociology	Professor	PI / Center participant
Han, Hahrie	Political Science	Anton Vonk Chair in Environmental Politics and Associate Professor	PI
Han, Shirley	Center for Nanotechnology in Society	Postdoctoral Scholar	Center participant
Hancock, Mary	Anthropology	Professor	Center participant
Hanrahan, Michael	Carsey-Wolf Center	Lecturer	Center participant
Harr, Bridget	Sociology	Graduate Associate / CNS Graduate Fellow	Center participant
Harris, Angela	UC Davis	Professor of Law	Center participant
Harthorn, Barbara Herr	Center for Nanotechnology & Society / Anthropology	Director / Professor	Center Director / PI
Hasegawa, Tsuyoski	History	Professor	Center participant
Haslund, Peter	Orfalea Center for Global & International Studies	Fellow	Center participant
Hawker, Craig	Materials Research Lab	Professor	Co-PI / McNair Mentor
Hawkins, Trip	Founder of Electronic Arts, 3DO Company, Digital Chocolate, If You Can Company	Entrepreneur	Center participant
Haymon, Rachel	Earth Science	Professor	Center participant

Hecht, Richard	Religious Studies	Professor	Center participant
Hegarty, Mary	Psychological & Brain Sciences	Professor	Center participant / McNair Mentor
Hennawi, Joseph	Physics	Professor	McNair Mentor
Hernández-Avila, Inés	UC Davis	Professor	Center participant
Hernández, Ellie	Chicano and Chicana Studies	Associate Professor	PI
Hillis, Greg	Religious Studies	Continuing Lecturer	Center participant
Hiltner, Ken	English	Professor	Center participant
Ho, Hsiu-zu	Gevirtz Graduate School of Education	Professor	Center participant
Hodges, Corbin	Geography	Graduate Associate	Center participant
Hogan, Leslie	Music	Lecturer	McNair Mentor
Holden, Patricia	Bren School of Environmental Science & Management	Professor	Center participant
Holdrege, Barbara	Religious Studies	Professor	Center participant
Hoelle, Jeffrey	Anthropology	Associate Professor	PI
Höllner, Tobias	Computer Science	Professor	Center participant
Holt, Jennifer	Film & Media Studies	Associate Professor	Center participant
Horn, Sherman III	HD Analytical Solutions, Inc.	Research Scientist	Center participant
Horowitz, Erin	Psychological & Brain Sciences	Graduate Student	Center participant
House, Charles	Cogswell College	Chancellor / External Advisory Board	Center participant
Hové, Carmen	Anthropology	Graduate Associate	Center participant
Hsu, Jennifer Chuan-chen	East Asian Languages & Cultural Studies	Lecturer	Center participant
Huang, Reyko	Texas A&M	Assistant Professor	Center participant
Huang, Yunte	English	Professor	Center participant
Humphreys, R. Stephen	History	Professor Emeritus	Center participant
Hurtado, Aida	Chicana and Chicano Studies	Professor	Center participant
Isenberg, Neil	Kids Health Web Portal, Nemours	MD / Director	Center participant

Jackson, Richard	National Center for Peace and Conflict	Professor	Center participant
Janowicz, Krzysztof	Geography	Associate Professor	Center participant
Jarvis, Lovell	UC Davis	Professor	Center participant
Jennings, M. Kent	Political Science	Professor	Center participant
Jevbratt, Lisa	Art	Professor	Center participant
Jimenez-Bacardi, Arturo	University of South Florida, St. Petersburg	Assistant Professor	Center participant
Jimerson, Shane	Gevirtz Graduate School of Education	Professor	Center participant
Jones, Christopher	Arizona State University	Assistant Professor	Center participant
Jue, Melody	English	Assistant Professor	Center participant
Juergensmeyer, Mark	Global and International Studies / Orfalea Center for Global & International Studies	Professor / Fellow	PI / Center participant
Kam, Jennifer	Communication	Associate Professor	PI
Kaplan, Cynthia	Political Science	Professor	Center participant
Kaplan, Hillard	University of New Mexico	Professor	Collaborator
Kaplan, Morgan	Stanford University	Predoctoral Fellow	Center participant
Kataoka, Elizabeth	East Asian Languages & Cultural Studies	Graduate Student	Center participant
Katsika, Argyro	Linguistics	Assistant Professor	PI
Kay, Luciano	ISBER	Assistant Researcher	PI
Keel, Terence	Black Studies	Assistant Professor	Center participant
Kendall, Bruce	Bren School of Environmental Science & Management	Professor	PI
Kennedy, Robert	Linguistics	Lecturer	Campus funds
Kerchusky, Sarah	Anthropology	Graduate Student	Co-PI
Khoury, Nuha N. N.	History of Art/Architecture	Associate Professor	Center participant
Kia-Keating, Brett	Gevirtz School, Graduate School of Education	Lecturer	Center participant
Kia-Keating, Maryam	Counseling, Clinical, and School Psychology	Assistant Professor	McNair Mentor
Kim, Heejung	Psychological and Brain Sciences	Professor	McNair Mentor
Kim, Lina	Summer Sessions	Director	Co-PI
Kippin, Tod	Psychological and Brain Sciences	Professor	Co-PI
Klawunn, Margaret	Office of the Vice Chancellor for Student Affairs	Vice Chancellor for Student Affairs	PI
Klein, Stanley	Psychological & Brain Sciences	Professor	Center participant

Klinger, Ulrike	University of Zurich	Senior Researcher	Center participant
Knudson, Claudia	GIS	Research Associate	Center participant
Koc-Michalska, Karolina	Audencia Business School	Associate Professor	Center participant
Konaev, Margarita	University of Pennsylvania	Fellow	Center participant
Kosik, Kenneth	Biology	Harriman Professor	Center participant
Krasnow, Max	Harvard University	Assistant Professor	Center participant
Krintz, Chandra	Computer Science	Professor	Center participant
Kuczenski, Brandon	ISBER	Associate Researcher	PI
Kuhn, Peter	Economics	Professor	Center participant
Kuhn, Werner	Geographic Information Science	Professor	Center participant
Kurin, Danielle	Anthropology	Assistant Professor	PI
Kyratzis, Amelia	Gevirtz School, Graduate School of Education	Professor	Co-PI
LaMon, Shelley	Anthropology	Graduate Student	PI
Larsen, Ashley	Ecology, Evolution & Marine Biology	Graduate Associate	Center participant
Lasala-Blanco, Narayani	Political Science	Assistant Professor	PI
Lawson, David	Anthropology	Assistant Professor	PI / Center participant
Le, Lan	Film & Media Studies	Graduate Student	Center participant
Lee, Chang	Economics	Graduate Associate	Center participant
Lee, Jin Sook	Gevirtz Graduate School of Education	Professor	Center participant
Lee, John W.I.	History	Associate Professor	Center participant
Legrady, George	Media Arts & Technology / Art	Professor	Center participant
Leombruni, Lisa	Bren School of Environmental Science & Management	Program Manager / Lecturer	PI / Center participant
Leonardi, Paul	Technology Management Program / Communication / CITS	Reece Duca Professor / Associate Director	Center participant
LeVeck, Brad	UC Merced	Assistant Professor	Center participant
Lewallen, Ann-Elise	East Asian Languages & Cultural Studies	Associate Professor	Co-PI / Center participant
Lewis, Kyle	Technology Management Program	Professor	Co-PI
Li, Charles	Linguistics	Professor Emeritus	Center participant

Li, Xiaorong	East Asian Languages and Cultural Studies	Associate Professor	Center participant
Lieberman, Zoe	Psychological & Brain Sciences	Assistant Professor	Center participant
Lieberman, Debra	Center for Digital Games Research	Director	Center Director
Lien, Pei-te	Political Science	Professor	PI / Center participant
Lim, Shirley Geok-lin	English	Professor Emeritus	Center participant
Liu, Alan	English	Professor	Center participant
Liu, Yanjun	Political Science	Graduate Associate	Center participant
Lopez, Amber	Sociology	Graduate Associate	Center participant
López-Carr, David	Geography	Professor	Center participant
Love-Nichols, Jessica	Linguistics	Graduate Student	PI
Lubin, Philip	Physics	Professor	Edison-McNair Mentor
Lucas, Gene	Chemical Engineering	Professor	Co-PI
Ludkovski, Michael	Statistics & Applied Probability	Professor	PI
Lukaszewski, Aaron	CSU, Fullerton	Assistant Professor	Center participant
Luna, Zakiya	Sociology	Assistant Professor	PI
Lundberg, Shelly	Broom Center for Demography / Economics	Co-Director / Professor	Co-Director / Co-PI
Lunsford, Karen	Writing	Associate Professor	Center participant
Macdonald, Stuart	Orfalea Center for Global & International Studies	Fulbright Visiting Fellow	Center participant
Maira, Sunaina	UC Davis	Professor	Center participant
Majewski, John	History / Humanities and Fine Arts	Professor / Dean	Center participant
Major, Brenda	Psychological & Brain Sciences	Professor	Center participant
Mampilly, Zachariah	Vassar College	Associate Professor	Center participant
Manski, Ben	Sociology	Graduate Associate	Center participant
Marcus, Scott	Music	Professor	Center participant
Marinko, John A.	Automated Vital Statistics System	Sr. Programmer	AVSS Staff
Marter-Kenyon, Jessica	Geography	Graduate Associate	Center participant
Martin, Melanie	Anthropology	Graduate Associate	Center participant

Massie, Eric	History	Graduate Student	Center participant
Matthew, Richard	UC Irvine	Professor	Center participant
Matthews, Katherine	Sociology	Graduate Student	Center participant
Matoza, Robin	Earth Science	Assistant Professor	McNair Mentor
Mayer, Richard	Psychological & Brain Sciences	Professor	Center participant
Mazanec, Thomas	East Asian Languages & Cultural Studies	Assistant Professor	Center participant
Mazer, Susan	Evolutionary Biology	Professor	Center participant
McAllister, Lisa	Anthropology	Graduate Associate	Center participant
McCray, W. Patrick	History	Professor	Co-PI / Center participant
McDermott, Rose	Brown University	Professor	Center participant
McDonald, Kate	History	Assistant Professor	Center participant
McGee, Sears	History	Professor	McNair Mentor
McQuilkin, Alec	Economics	Graduate Associate	Center participant
Mehta, Aashish	Global & International Studies	Associate Professor	PI / Center participant
Metzger, Miriam	Communication	Professor	Co-PI / Center participant
Miescher, Stephan	History	Associate Professor	Co-PI
Mildenberger, Matto	Political Science	Assistant Professor	PI
Miljanich, Chris	Political Science	Graduate Associate	Center participant
Miller, Alan	Activision, Accolade & Click Health / Player Propensities	Co-Founder / CEO	Center participant
Miller, Karley	Marine Science Program	Graduate Associate	Center participant
Miller-Young, Mireille	Feminist Studies	Associate Professor	PI
Mireles-Rios, Rebecca	Gevirtz Graduate School of Education	Assistant Professor	McNair Mentor
Mishra, Umesh	Electrical & Computer Engineering	Professor	Edison-McNair Mentor
Mithun, Marianne	Linguistics	Professor	PI / Center participant
Mody, Cyrus	Rice University	Associate Professor	Center participant
Mohanty, Bidyut	Orfalea Center for Global & International Studies	Fellow	Center participant
Mohanty, Manoranjan	Orfalea Center for Global & International Studies	Fellow	Center participant

Mohr, John	Sociology	Professor	Center participant
Monreal, Benjamin	Physics	Assistant Professor	McNair Mentor
Montague, Dena	ISBE	Assistant Project Scientist	Co-PI
Montell, Craig	Molecular, Cellular & Developmental Biology	Professor	McNair Mentor
Montello, Daniel	Geography	Professor	Center participant
Moore, Kathleen	Religious Studies	Professor	Center participant
Morales, Paulino	San Carlos Guatemala		Center participant
Morrison, Adam	Center for Middle East Studies	Graduate Assistant	Center participant
Moser, Claudia	History of Art and Architecture	Assistant Professor	PI
Moses, Yolanda T.	UC Riverside	Professor	Center participant
Moya, Rita	Direct Relief / BioIQ	Board Chair / Advisor	Center participant
Mulligan, Deborah	Nova Southeastern University / MDLIVE	Professor of Pediatrics / Chief Medical Affairs Officer	Center participant
Murphy, Mike	Lift ACM Advisors	Managing Partner	Center participant
Murray, Alan	Geography	Professor	Center participant
Mwenda, Kevin	Geography	Graduate Associate	Center participant
Nabi, Robin	Communication	Professor	PI
Narang, Neil	Political Science	Assistant Professor	PI
Nathan, John	East Asian Languages and Cultural Studies	Professor	Center participant
Nepal, Ranta Mani	Mellichamp Initiative	Visiting Scholar	Center participant
Neuberg, Steve	Arizona State University	Professor	Center participant
Newfield, Christopher	English	Professor	Center participant
Ni, Winni	East Asian Languages & Cultural Studies	Graduate Student	Center participant
Nightingale, Emily	Phreesia	Market Research Analyst	Center participant
Ninh, Erin	Asian American Studies	Associate Professor	Center participant
Novak, David	Music	Associate Professor	Center participant
November, Joseph	University of South Carolina	Assistant Professor	Center participant
Oaks, Laury	Feminist Studies	Professor	McNair Mentor



Obasogie, Osagie	UC Hastings/UCSF	Professor of Law	Center participant
O'Connor, Alice	History	Professor	Center participant
O'Connor, Mary	ISBER	Researcher	PI
Okamoto, Yukari	Gevirtz Graduate School of Education	Professor	Center participant
Oliver, Melvin	Sociology	Professor	Co-PI
Omi, Michael	UC Berkeley	Associate Professor	Center participant
Oprea, Ryan	Economics	Professor	PI
Ornelas, Alexandra	Sociology	Graduate Associate	Center participant
Oyewole, Michelle	Geography	Graduate Associate	Center participant
Ozono, Hiroki	Kagoshima University	Professor	Center participant
Padilla, Eva	Psychological & Brain Sciences	Graduate Student	Center participant
Pai, Hyung Il	East Asian Languages and Cultural Studies	Professor	Center participant
Palakurthy, Kayla	Linguistics	Graduate Student	Co-PI
Palerm, Juan-Vicente	Anthropology	Professor Emeritus	Co-PI
Pardo-Rodriguez, Lumari	Geography	Graduate Associate	Center participant
Park, John	Asian American Studies / CNRS	Professor / Co-Director	PI / Co-Director
Parker, Rachel	Science & Technology Policy Institute	Research Staff Member	Center participant
Parks, Lisa	Film & Media Studies	Professor	Center participant
Partridge, Tristan	Center for Nanotechnology and Society	Postdoctoral Scholar	Co-PI / Center Participant
Peleg, Samuel	Rutgers University	Professor	Center participant
Pellow, David	Environmental Studies	Dehlsen Endowed Chair, Professor	PI
Peng, Chichi	History	Graduate Student	Center participant
Penley, Constance	Film & Media Studies	Professor	Center participant
Petersen, Michael Bang	Aarhus University	Professor	Center participant
Petzold, Linda	Computer Science	Professor	Center participant
Pidgeon, Nicholas	Cardiff University	Professor	Center participant
Pieterse, Jan Nederveen	Global Studies	Mellichamp Professor	Center participant
Pinderhughes, Howard	UC San Francisco	Associate Professor	Center participant

Pinheiro, Amanda	Global Studies	Graduate Associate	Center participant
Pisor, Anne	Anthropology	Graduate Student	Co-PI
Pitts, Anton	University of British Columbia	PhD Student	Center participant
Porter, Eric	UC Santa Cruz	Professor	Center participant
Powell, William	Religious Studies	Professor Emeritus & Research Professor	Center participant
Propen, Amy	Writing	Assistant Professor	Center participant
Qin, Chenzong	Economics	Professor	Center participant
Raley, Rita	English	Associate Professor	Center participant
Rambelli, Fabio	East Asian Languages & Cultural Studies	Professor	PI / Center participant
Ramot, Gil	Religious Studies	Lecturer	Center participant
Rappaport, Erika	History	Professor	Center participant
Raymond, Colin	History of Art & Architecture	Graduate Student	Center participant
Raymond, Geoffrey	Sociology	Professor	PI/ Center participant
Read de Alaniz, Javier	Chemistry	Assistant Professor	McNair Mentor
Reichenbaecher, Christoph	East Asian Languages & Cultural Studies	Graduate Student	Center participant
Reid, Scott	Communication	Professor	Co-PI
Reno, William	Northwestern University	Professor	Center participant
Reynolds, Dwight	Religious Studies	Professor	Center participant
Rice, Ronald E.	Communication	Professor	Center participant
Rios, Victor	Sociology	Professor	Center participant / McNair Mentor
Roberts, Luke	History	Professor	Center participant
Robertson, Theresa	Stony Brook University	Assistant Professor	Center participant
Robinson, William	Sociology	Professor	Center participant
Rodriguez, Michael	UC Los Angeles	Professor	Center participant
Rodriguez-Sickert, Carlos	Universidad del Desarrollo, Chile	Professor	Center participant
Rogers, Phillip	Linguistics	Graduate Student	Co-PI

Rogers-Brown, Jennifer	Long Island University	Assistant Professor	Center participant
Roney, James	Psychological & Brain Sciences	Associate Professor	Center participant
Rossin-Slater, Maya	Economics	Assistant Professor	PI / Center participant
Royer, Heather	Economics	Associate Professor	PI / Center participant
Quillien, Tadeg	Psychological & Brain Sciences	Graduate Student	Center participant
Sabra, Adam	History / Center for Middle East Studies	Professor / Director	Center Director
Sakr, Laila Shereen	Film & Media Studies	Assistant Professor	Co-PI / Center participant
Saldivar Tanaka, Emiko	Anthropology	Associate Project Scientist	PI
Saltzman-Li, Katherine	East Asian Languages and Cultural Studies	Associate Professor	Center participant
Sandholtz, Wayne	University of Southern California	Professor	Center participant
Santoro, Alyson	Ecology, Evolution & Marine Biology	Assistant Professor	McNair Mentor
Santos-Beman, Renata	Cambridge University	Postdoctoral Scholar	Center participant
Santy, Jenna	Anthropology	Graduate Student	Co-PI
Sarkar, Bhaskar	Film & Media Studies	Associate Professor	Center participant
Satterfield, Theresa A.	University of British Columbia	Professor	Center participant
Schneider, Beth	Sociology / McNair Scholars Program	Professor	PI / Director
Schnier, Kurt	UC Merced	Professor	Center participant
Schooler, Jonathan	Psychological & Brain Sciences	Professor	Center participant
Schow, Clink	Electrical & Computer Engineering	Professor	McNair Mentor
Schreiber, Katharina	Anthropology	Professor	PI
Schumacher, Britta	Geography	Graduate Associate	Center participant
Searls, Doc	Center for Information Technology & Society	Fellow	Center participant
Segura, Denise	Sociology	Professor	McNair Mentor
Seibold, David	Communication	Professor	Center participant
Seikaly, Sherene	History	Associate Professor	Co-PI / Center participant
Sell, Aaron	Griffith University	Senior Lecturer	Center participant
Severen, Chris	Economics	Graduate Associate	Center participant

Shafir, Gershon	UC San Diego	Professor	Center participant
Shapira, Phillip	University of Manchester, UK	Professor	Center participant
Shea, Joan-Emma	Chemistry	Professor	PI
Shewry, Tess	English	Assistant Professor	Center participant
Siegel, Greg	Film & Media Studies	Associate Professor	Center participant
Sievertsen, Hans	The Danish National Centre for Social Researcher	Researcher	Center participant
Simon, Denis	Duke Kunshan University	Executive Vice Chancellor	Center participant
Skapoulli, Elena	Center for California Languages and Cultures	Manager	Center participant
Slaton, Amy	Drexel University	Professor	Center participant
Smith, Benjamin	Orfalea Center for Global & International Studies	Graduate Student Researcher	Center participant
Smith, Eric	Political Science	Professor	Center participant
Smith, Stuart Tyson	Anthropology	Professor	PI / Center participant
Sobraske, Katherine	Anthropology	Graduate Student	Center participant
Spera, Frank	Earth Science	Professor	Center participant
Spickard, Paul	History	Professor	Center participant
Srednicki, Mark	History	Professor	McNair Mentor
Startz, Dick	Economics	Professor	Co-PI
Stearns, Jenna	Economics	Graduate Associate	Center participant
Steavu-Balint, Dominic	East Asian Languages & Cultural Studies	Assistant Professor	Center participant
Stewart, Megan	American University	Assistant Professor	Center participant
Stiefel, Maximilian	Geography	Graduate Associate	Center participant
Stocking, Galen	Political Science	CNS Graduate Fellow	Center participant
Stohl, Cynthia	Communication / Center for Information Technology & Society	Professor / Director	Director
Stohl, Michael	Communication / Orfalea Center for Global and International Studies	Professor / Director	Director
Stokes, Leah	Political Science	Assistant Professor	PI / Center participant
Stoll, Heather	Political Science	Associate Professor	Center participant

Sturman, Peter	History of Art & Architecture	Professor	Center participant
Susko, Tyler	Mechanical Engineering	Lecturer	Edison-McNair Mentor
Sutton, John	Sociology	Professor	Center participant
Sweeney, Stuart	ISBER / Geography	Director / Professor	Director / Center participant
Szumliniski, Karen	Psychological and Brain Sciences	Professor	Co-PI
Szyncer, Daniel	University of Montreal	Assistant Professor	Center participant
Takezawa, Yasuko	Kyoto University, Japan	Professor	Center participant
Taves, Ann	Religious Studies	Professor	Center participant
Taylor, Verta	Sociology	Professor	Center participant
Teck, Sandro	El Pilar, Belize	Painter	Center participant
Telles, Edward	Sociology	Professor	Center participant
ter Hoeven, Clara	University of Amsterdam	Associate Professor	Center participant
Thébaud, Sarah	Sociology	Associate Professor	PI / Center participant
Theogarajan, Luke	Electrical and Computer Engineering	Professor	Edison-McNair Mentor
Thomas, Christine	Religious Studies	Associate Professor	Center participant
Thomas, Merryn	Cardiff University, UK	Research Associate	Center participant
Thompson, Sandra	Linguistics	Research Professor Emerita	Center participant
Thurston, Joel	Center for Evolutionary Psychology	Administrative Personnel/Assistant Director	Center participant
Tobler, Waldo	Geography	Professor Emeritus	Center participant
Tomson, Shaun		Best-selling author, filmmaker, inspiration speaker	Center participant
Tooby, John	Center for Evolutionary Psychology / Anthropology	Co-Director / Professor	Center Director
Toole, Dave	MediaMobz / CITS	CEO / External Advisory Board Member	Center participant
Topsey, Cynthia Ellis	Community Outreach, Belize		Center participant
Torres, Narciso	El Pilar, Belize	Forest Gardener	Center participant

Treitler, Vilna Bashi	Black Studies	Professor	Center participant
Truxaw, Danielle	Harvard University	Research Associate / Lecturer	Center participant
Tu, Kuo-Ch'ing	East Asian Languages and Cultural Studies	Professor	Center participant
Tu, Seiko	Library: East Asian Collections	Library Assistant	Center participant
Tuholske, Cascade	Geography	Graduate Associate	Center participant
Turk, Matthew	Computer Science	Professor	Center participant
Tyburczy, Jennifer	Feminist Studies	Associate Professor	PI
Tyrrell, Brian	History	CNS Graduate Fellow	Center participant
Tzul, Alfonso	El Pilar, Belize	Maya Forest Gardener	Center participant
Valentine, Davis	Geological Studies	Professor	McNair Mentor
Valentine, Megan	Mechanical Engineering	Associate Professor	McNair Mentor
VanDerwarker, Amber	Anthropology	Professor	PI
Venegas, Cristina	Film & Media Studies	Associate Professor	Center participant
Vespa, Emanuel	Economics	Assistant Professor	PI
Voorhies, Barbara	Anthropology	Professor Emeritus	PI
Voss, Katalyn	Geography	Graduate Associate	Center participant
Vriesema, Christine	Gevirtz Graduate School of Education	Postdoctoral Scholar	Co-PI
Walker, Barbara	ISBER / Research Development for Social Sciences, Humanities and the Fine Arts, Office of Research	Project Scientist / Director	PI / Director
Walker, Janet	Film & Media Studies	Professor	Co-PI
Wallace, Vesna	Religious Studies	Professor	Center participant
Walsh, Casey	Anthropology	Associate Professor	PI / Center participant
Wang, Mian	Gevirtz Graduate School of Education	Professor	Center participant
Ward, Geoff	UC Irvine	Associate Professor	Center participant
Warner, William	Professor	English Department	Center participant
Wasson, Kai	East Asian Languages & Cultural Studies	Graduate Student	Center participant
Watenpaugh, Keith	UC Davis	Professor	Center participant
Wattles, Miriam	History of Art & Architecture	Associate Professor	Center participant

Wdzenczny, Dibella Caminsky	Graduate Student	Linguistics	Co-PI
Weber, Rene	Communication	Professor	PI / Center participant
Weeks, John R.	San Diego State University	Professor Emeritus	Center participant
Weinberger, Catherine	ISBER	Project Scientist	PI / Center participant
Werth, Silke	East Asia Center	Visiting Fellow	Center participant
White, Corey	Economics	Graduate Associate	Center participant
White, David	Religious Studies	Professor	Center participant
Widick, Richard	Orfalea Center for Global & International Studies	Visiting Scholar	Center participant
Wilkes, Jason	Psychological & Brain Sciences	Graduate Student	Center participant
Williams, Marie	Marriott International	Senior Director of Technology	Center participant
Williams, Ronald	ISBER	Researcher	PI / Center Director
Wilson, Gregory	Anthropology	Associate Professor	PI
Winant, Howard	Center for New Racial Studies / Sociology	Director / Professor	Center Director /
Wolfson, Elliot	Religious Studies	Professor	Center participant
Wooley, Jennifer	Santa Clara University	Associate Professor	Center participant
Woolley, John	Political Science	Professor	PI / Center participant
Wright, Claire	Universidad de Monterrey	Faculty	Center participant
Yaqub, Salim	History	Professor	Center participant
Yamagishi, Toshio	Hokkaido University	Professor Emeritus	Center participant
Yamamoto, Naoki	Film and Media Studies	Assistant Professor	Center participant
Yamamoto, Traise	UC Riverside	Associate Professor	Center participant
Yamauchi, Yoko	East Asian Languages & Cultural Studies	Lecturer	Center participant
Yang, Mayfair	East Asian Languages & Cultural Studies	Professor	Center participant
Yates, Hannah	Center for California Languages and Cultures	Graduate Student	Center participant
Yegul, Fikret	History of Art & Architecture	Professor Emeritus	Center participant
Yoneyama, Lisa	UC San Diego	Associate Professor	Center participant

York, Bob	Electrical & Computer Engineering	Professor	Center participant
Young, Hillary	Ecology, Evolution & Marine Biology	Associate Professor	PI
Yu, Hsiao-Jung	East Asian Languages & Cultural Studies	Professor	Center participant
Zayago-Lau, Edgar	Professor / Visiting Postdoctoral Scholar	Autonomous University of Zacatecas / CNS	Center participant
Zhao, Ben	Computer Science	Professor	Center participant / Edison-McNair Mentor
Zhao, Xiaojian	Asian American Studies	Professor	Center participant
Zheng, Xiaowei	East Asian Languages and Cultural Studies	Associate Professor	Center participant





# ISBER

Institute for Social, Behavioral & Economic Research  
University of California Santa Barbara

Advisory Committee  
2016-2017

[www.isber.ucsb.edu](http://www.isber.ucsb.edu)

**Director**  
Stuart Sweeney

**2016-2017 Administrative and Technical Staff**

Shawn Barcelona, Contract & Grant Administrator  
Jana Bentley, Business Officer  
Trea DePrima, Center Program Assistant  
Claudia Diaz, Contract & Grant Administrator/Student Personnel  
Amy Jacobs, Personnel & Payroll Coordinator  
Brendy Lim, Systems Administrator  
Enrique Macias, Computer Network Technologist  
Lacy Olivera, Contract & Grant Administrator  
Paula Ryan, Contract & Grant Proposal Coordinator  
Valerie Kuan, Administrative/Financial/Payroll Assistant  
Angie Wallace, Administrative/Financial/Purchasing/Travel

**Director, Social Science Research Development**

Barbara Walker

**2016-2017 Advisory Committee**

Sarah Anderson (Chair), Environmental Science & Management  
Jana Bentley, *ex-officio*, ISBER Business Officer  
Olivier Deschenes, Economics  
Michael Gurven, Anthropology  
Ashish Mehta, Global & International Studies  
Wendy Meiring, Statistics & Applied Probability  
Robin Nabi, Communications  
Leila Rupp, *ex-officio*, Interim Letters & Sciences Dean, Division of Social Sciences  
Stuart Sweeney, *ex-officio*, ISBER Director  
Sarah Thébaud, Sociology  
Barbara Walker, *ex-officio*, Office of Research, Director Research Development Social Sciences

**Chancellor**

Henry T. Yang

**Executive Vice Chancellor for Academic Affairs**

David Marshall

**Vice Chancellor for Research**

Joseph Incandela

*Photographs by Ronald L. Williams*