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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 interim's 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:

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

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

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 ASCENSIÓN'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 internships, mentors, and faculty advisors are listed here: [http://condor-csep.cnsi.ucsb.edu/projects](http://condor-csep.cnsi.ucsb.edu/projects)

**Program Evaluation conducted by UCSB’s Office of Education Partnerships:**

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/](https://oep.ucsb.edu/programs/hsi.regional.alliance/)
CHAVEZ-GARCIA, MIROSLAVA
BERMUDEZ, ROSIE

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 fonder 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 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 Torrescoano 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, we 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 Torrescoano 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.
"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 Mosetene, a group ethnolinguistically similar to the Tsimane, but with a more acculturated lifestyle. A CT campaign with the Mosetene 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 Mosetene 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.

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.
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.

KATSIIKA, 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


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
EQUINOA, 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 an 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 WDZENCZNY, 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 Tzeltal 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

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

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").

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

National Science Foundation: “Doctoral Dissertation Improvement Grant: Local Socioeconomic and Political Development in a Context of Imperial Expansion, Nasca-Wari Interations 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 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

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.

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 shert, 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

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
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
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

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


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 Ōmyōdō (“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 (Osaka 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 incountering 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.
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 Indigena: 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
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 Moseten, and the multicultural district of Tucupi. 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 WDJENCZNY, 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 Chavchuven, 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.
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.

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; 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 cosines 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.

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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:

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) 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: 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 WDZENCZNY, 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.


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.
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
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 Legredy, 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 Quillian, 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 Brian 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 Brian Sciences
Michael Barlev, Psychological and Brian Sciences
Aldo Cimino, PhD, Anthropology
Randy Corpuz, Psychological and Brian Sciences
Adar Eisenbruch, Psychological and Brian Sciences
Erin Horowitz, Psychological and Brian Sciences
Melanie Martin, Anthropology
Lisa McAllister, Anthropology
Eva Padilla, Anthropology
Anne Pisor, Anthropology
Tadeg Quillian, Psychological and Brian Sciences
Katherine Sobraske, Anthropology
Jason Wilkes, Psychological and Brian 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 Fullerson)
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 Kliner, Senior Researcher, Institute of Mass Communication & Media Research, IPMZ, University of Zurish, 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 Flanagon, 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 Arhcro, 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.J. 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:


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."


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, Fruhstuck 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: José 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.
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
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 Frühstück (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 21st Century Global Dynamics**

Janet Afary

**Sponsored Conferences & Workshops:**

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 Saluschev, 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:**

Alison Brysk

**Sponsored Conferences & Workshops:**

**Invited Conferences and Lectures:**
Invited speaker: “Los derechos humanos no es la respuesta, es la pregunta, es lo que utilizamos para poder abrirmos a la dignidad.” October 2016. Eighth Worldwide Meeting on Human Values in Monterrey, Mexico.

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.

Sponsored and Co-sponsored Talks:

Invited Conferences and Lectures:

Jan Nederveen Pieterse

Sponsored and Co-sponsored Talks:

Invited Conferences and Lectures:
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.
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-Ocampa (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.
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

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

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>
<thead>
<tr>
<th>Seniors (graduated in June)</th>
<th>Number in cohort</th>
<th>Number and Percent: Attended or Attending Any Post-Bac Program</th>
<th>Number and Percent: Attended or Attaining Doctoral Programs</th>
<th>Number – Completed PhDs</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009 6</td>
<td>4/6; 66%</td>
<td>1/6; 16%</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2010 15</td>
<td>14/15; 93%</td>
<td>10/15; 66%</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>2011 19</td>
<td>15/19; 79%</td>
<td>6/19; 32%</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>2012 13</td>
<td>12/13; 92%</td>
<td>8/13; 62%</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2013 13</td>
<td>11/13; 85%</td>
<td>5/13; 46%</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>2014 10</td>
<td>7/10; 70%</td>
<td>8/10; 80%</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>2015 12</td>
<td>10/12; 83%</td>
<td>4/10; 40%</td>
<td>-</td>
<td></td>
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<tr>
<td></td>
<td>2016</td>
<td>11</td>
<td>8/11</td>
<td>73%</td>
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<tr>
<td>TOTAL</td>
<td>99</td>
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</tbody>
</table>

**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); Brigitte 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.
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 argues that this legislation will ot 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?
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.

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.

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 computers 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:

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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 Indigena: 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 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 positions 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
CDACA1 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
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.
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
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.
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 Moseten, and the multicultural district of Tucupi. 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.
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’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. Unification (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
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

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**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

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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  
EQUINOA, 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.
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.
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 liberaldemocratic 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 1501500 (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, Asiborn 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 triracial framework (BonillaSilva 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 WDZENCZNY, 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
Chavchuven, 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.
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.

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.
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 m²) 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 Egyptís New Kingdom Empire (c. 1500-1050 BC) on the Nubian Kerma Culture and their interactions and entanglements with the colonists who settled at Tombos. The combination of Egyptian and Nubian sites at the cataract provides an opportunity to assess the cultural dynamic of Egyptís colonization. This proposal builds on previous excavation in the cemetery at Tombos, 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 Tombos; 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; Elfer, 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. Secondarily, 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.
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.
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ALAGONA, PETER


BUNTAINE, MARK


BUCHOLTZ, MARY


CASILLAS, DOLORES INÉS


CHARLES, MARIA


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**COSMIDES, LEDA**

**TOBY, JOHN**


**DARIAN-SMITH, EVE**


**FORD, ANABEL**


FRÜHSTÜCK, SABINE


Frühstück, S. (2017). ... and My Heart Screams: Children and the War of

GLASSOW, MICHAEL


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**PISOR, ANNE**


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HARTHORN, BARBARA
PARTRIDGE, TRISTAN


**KAY, LUCIANO**

KUCZENSKI, BRANDON
EL ABBADI, AMR


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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


O’CONNOR, MARY

OPREA, RYAN


PARK, JOHN


ROSSIN-SLATER, MAYA


SMITH, STUART


STOHL, CYNTHIA


**STOHL, MICHAEL**


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Pellow, D. N. (2016). Environmental justice and rural studies: A critical conversation and invitation to collaboration. *Journal of Rural Studies, 47*(38), 1e386.


THÉBAUD, SARAH


VOORHIES, BARBARA


**WEBER, RENE**


**WEINBERGER, CATHERINE**


**WINANT, HOWIE**


BELTZ, GLENN
CASTELLANOS, MARIO


BUCHOLTZ, MARY


Mary Bucholtz presented (invited), “‘Respeta mi idioma’: Promoting Sociolinguistic Justice through Youth Research and Activism,” at the Linguistics Colloquium Series, University of California, Merced, November 2016.


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.

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


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 University of Toronto Political Behavior Workshop, Toronto, Canada, November 2016.


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


COSMIDES, LEDA  
TOOBY, JOHN  


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.


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.


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 102nd National Communication Association, Philadelphia PA, November 2016


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**


**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: 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


GURVEN, MICHAEL


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 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.


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, (invited) presented “Intuitive Toxicology,” at the symposium on Toxics in Everyday Life, UCLA School of Law, June 9, 2017.

HARTHORN, BARBARA
PARTRIDGE, TRISTAN


KATSIVA, 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
EQUINOA, KIMBERLY


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.


LIEN, PEI-TE


Pei-te Lien presented "Asian Americans and Political Participation," at Johns Hopkins University, Baltimore, MD, September 13, 2016.


MITHUN, MARIANNE
CAMINSKY WDZENCZNY, DIBELLA


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 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 "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


ROSSIN-SLATER, MAYA


SCHREIBER, KATHARINA
KERCHUSKY, SARAH


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 57th 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 delivered the Kazimierz Michalowski Memorial Lecture, Ministry of Antiquities and Polish Centre of Mediterranean Archaeology, Cairo, Egypt, March 2017.


SMITH, STUART
AKMENKALNS, JESSIKA


STOHL, MICHAEL


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


**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 “Gender Bias in Entrepreneurial Financing,” (invited) at MIT Sloan School of Management, Cambridge, MA, September 2016.


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


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.
### 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:**
   - 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
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<thead>
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<th>Name</th>
<th>Department / School</th>
<th>Position</th>
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<td>Adler-Kassner, Linda</td>
<td>Writing Program / L&amp;S</td>
<td>Professor / Co-Interim Dean</td>
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<tr>
<td>Ahuja, Amit</td>
<td>Political Science</td>
<td>Associate Professor</td>
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<td>Akmenkalns, Jessika</td>
<td>Anthropology</td>
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<td>Alagona, Peter</td>
<td>History &amp; Environmental Studies</td>
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<td>Amar, Paul</td>
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<td>Anderson, Sarah</td>
<td>Bren School of Environmental Science &amp; Management</td>
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<td>Appelbaum, Richard</td>
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<td>Arenas Velazquez, Erika</td>
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<td>Barvosa, Edwina</td>
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<td>Bedard, Kelly</td>
<td>Economics</td>
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<td>Beltz, Glenn</td>
<td>College of Engineering</td>
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<td>Bermudez, Rosie</td>
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<td>Bimber, Bruce</td>
<td>Political Science</td>
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<td>Brown, Michelle</td>
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<td>Bucholtz, Mary</td>
<td>Center for California Languages &amp; Cultures / Linguistics</td>
<td>Director / Professor</td>
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<td>Buntaine, Mark</td>
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<td>Linguistics</td>
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<td>Casillas, Dolores Inés</td>
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<td>Co-Director / Associate Professor</td>
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<td>Castellanos, Mario</td>
<td>Office of Education Partnerships</td>
<td>OEP Executive Director</td>
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<td>Charity Hudley, Anne</td>
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<td>Charles, Maria</td>
<td>Broom Center / Sociology</td>
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<td>Clarke, Keith</td>
<td>Geography</td>
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<td>Collins, Nancy</td>
<td>QMSS / Psychological &amp; Brain Sciences</td>
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<td>Cosmides, Leda</td>
<td>Center for Evolutionary Psychology / Psychological &amp; Brain Sciences</td>
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<td>Curtin, Michael</td>
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<td>Czuleger, Cathy</td>
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<td>Damliji, Mona</td>
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<td>Dunbar, Norah</td>
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<td>Lewis, Kyle</td>
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<td>Liebeman, Debra</td>
<td>Center for Digital Games Research / Communication</td>
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Institute for Social, Behavioral & Economic Research
University of California Santa Barbara

Unit Participant
2016-2017

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Director
Stuart Sweeney

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