

broom center for demography

University of California, Santa Barbara



**The Leonard and Gretchen Broom
Center for Demography**

Annual Report 2020

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2020 Annual Report

The Leonard and Gretchan Broom Center for Demography is an interdisciplinary research center at the University of California, Santa Barbara. Its mission is to facilitate research and training in social demography and population studies with particular emphasis on interrogating social and economic inequalities and health disparities. Key issues explored by Center Associates include inequalities across social groups defined by race/ethnicity, immigration status, gender and sexuality; population-environment interactions; the determinants of population health; migration flows; spatial demography; and the allocation of resources within and among families, workplaces, schools, and other social institutions. The Center's physical space is located on the ground floor of North Hall and consists of faculty, administrative, and visitor offices, a graduate-student commons, and a computer lab. This report describes the Center's activities during its ninth year of operation, from July 1, 2019 through June 30, 2020.

The Broom Center for Demography was established in October 2011 with generous funding from Leonard and Gretchan Broom and under the leadership of Founding Dean Melvin Oliver and Inaugural Director Peter Kuhn. Leonard Broom was a distinguished professor of sociology whose seven-decade long academic career included appointments at UC Los Angeles, University of Texas at Austin, the Australian National University, and most recently UC Santa Barbara. Leonard Broom served as editor of sociology's flagship journal, *American Sociological Review* (1955-57) and he coauthored (with Philip Selznick, UC Berkeley) one of the first and most successful sociology textbooks, *Sociology: A Text with Adapted Readings*, which was originally published in 1955. Leonard Broom's early research on the effects of US internment of Japanese-Americans during WWII made him an early public critic of that policy and shaped a lifelong interest in social inequality that lives on in the Broom Center's thematic foci.

The Broom Center is directed by Professor of Sociology Maria Charles. Shelly Lundberg, the Leonard Broom Professor of Demography, is the Center's Associate Director, and Trea DePrima is the Program Administrator. Sociology graduate student Jason Budge served as Manager of the Social Demography Lab during the 2019-20 academic year. The 2019-20 Advisory Board consisted of Maria Charles (Sociology), Michael Gurven (Anthropology), David Lopez-Carr (Geography), Shelly Lundberg (Economics), Heather Royer (Economics), and Edward Telles (Sociology), plus two ex officio members: the Director of the Institute of Social, Behavioral, and Economic Research (ISBER), Stuart Smith, and SAGE Sara Miller McCune Dean of Social Sciences, Charles R. Hale. Two new members joined the advisory board on July 1, 2020. Susan Cassels (Geography) will lead the Population Health and Environment research area, and Erika Arenas will lead the Immigration, Race, and Ethnicity research area.

The Broom Center currently consists of 34 faculty and postdoctoral *Research Associates* and 48 *Graduate Associates* spanning seven disciplines (Anthropology; Evolution & Marine Biology; Economics; Geography; Marine Science; Psychology; and Sociology). During the last academic year, we were fortunate to welcome Elizabeth Ackert (Assistant Professor in Geography) and Yader Lanuza (Assistant Professor in Sociology) as new UCSB faculty members and Broom Center Research Associates.

Broom Research and Graduate Associates spent an active research year in 2019/20, producing more than 100 peer-reviewed journal articles, book chapters, books, and other items.¹ Active research grants totaled more than \$30 million, including from the National Institutes of Health, National Institutes on Aging, National Institute of Environmental Health Sciences, National Science Foundation, National Aeronautics and Space Administration, Russell Sage Foundation, US Department of Defense, and W.K. Kellogg Foundation. **Appendices 1 and 2** list publications and grants, respectively. A searchable list of [Broom Center publications](#) is available on the Center's website. Research highlights under each of six thematic areas are discussed further on.

Broom Center researchers continue to collect new honors and awards. Some are listed in **Appendix 3**, including the following. Associate Director Shelly Lundberg was named 2020 Distinguished Fellow by the American Economic Association. Research Associate Brenda Major received two major career honors: 2020 Distinguished Lifetime Career Award by the International Society for Self and Identity, and election in 2019 to the American Academy of Arts and Sciences. Research Associate Vilna Bashi Treitler was the recipient of the American Sociological Association's prestigious Cox-Johnson-Frazier Award for her work on immigration and transnational studies. And Broom Associates Maria Charles and Alan Murray were elected fellows of the American Association for the Advancement of Science, AAAS.

Research by Broom Center Research and Graduate Associates received significant media attention in 2019-20. **Appendix 4** lists some examples. Of particular note this year again is extensive national and international press coverage of research by Biodemography Area Director Michael Gurven and his team, including on heart disease in Bolivia, managing COVID in indigenous populations, and effects of mothers' social status and children's health. This work was featured by such high-profile media outlets as *New York Times*, *Wall Street Journal*, *Scientific American*, and *El Pais*. For her distinguished research on racism, blackness, and social justice, Vilna Bashi Treitler also received much press coverage, including in the *New York Times*. Broom's gender research reached beyond the academy as well – for example in a blog post and extended interview by Maria Charles on gender stereotypes and gender segregation for the Harvard GenderSci Lab, and in Shelly Lundberg's contribution to the National Science Foundation Women's History Month page. Alan Murray's work on the variability of Santa Barbara gasoline prices received much local coverage.

Prior to the campus' COVID-related shutdown, the Broom Center continued its tradition of lively and well-attended seminars every other Monday afternoon, followed by a reception. The [Seminar Series](#), held in North Hall 1:00-2:15pm, features research talks by distinguished speakers from UCSB and around the state, country, and world. This year's Fall and Winter lineup included Kelsey Jack (UC Santa Barbara, Bren School of Environmental Science), Brenna Henn (UC Davis, Anthropology), Joyce Wamoyi (Tanzanian National Institute for Medical Research, Epidemiology), Trevon Logan (UC Santa Barbara, Economics), Liz Ackert (UC Santa Barbara, Geography), Heather Randell (Penn State University, Rural Sociology & Demography), Jenna Nobles (University of Wisconsin, Sociology), Christopher Blattman (University of Chicago, Political Science/Economics), Elizabeth Wrigley-Field (University of Minnesota, Sociology), and Fernando Riosmena (University of Colorado, Sociology). **Appendix 5** provides more information on talks and speakers. All Spring 2020 talks have been rescheduled for the 2020-21 academic year; we anticipate that most will be remote.

¹ The count of publications in Appendix 1 includes all items that were published in 2019 or 2020, or forthcoming at the time of this writing. To ensure comparability over time, the Center uses the same approach in all its reports. "Other items" include encyclopedia entries, proceedings and reprints.

Visitors enrich the intellectual life of the Broom Center and have provided diverse opportunities for research cross-fertilization and interdisciplinary collaboration. During the 2019-20 academic year, the Center hosted seven *visiting scholars* from six different countries (see **Appendix 6**). These included Deborah Cobb-Clark (University of Sydney), Sanna Charlotta Ericsson (Lund University), Katrin Sommerfeld (ZEW Mannheim), Barbara Wolfe (University of Wisconsin), Bob Haveman (University of Wisconsin), Xiaoying Liang (Northwest University Xi'an China), and Yasuko Takezawg (Kyoto University).

The Broom Center awarded its eighth set of *Graduate Student Research and Travel (GSRT) grants* in April 2020. GSRT awards support dissertation research and attendance at training programs in demographic methods for qualifying Broom Graduate Associates. In the most recent GSRT funding round, 10 students received a total of \$18,158.00. **Appendix 7** provides a complete list of the Center's 2019-20 awards.

The Broom Center's *social demography computer lab*, located in North Hall, offers a graduate-student commons and meeting space, desktop computers and software ranging from the qualitative data analysis package Atlas.ti, to statistical packages like Stata, SAS and SPSS, to flexible programming languages like Matlab and R. Support on software, statistics, and study design is offered by a graduate student lab assistant, currently Jason Budge (Sociology). The Broom computer lab was recently renovated and reconfigured to include more collaborative workspace, a large wall-mounted video display for presentations, and improved wireless connectivity. We look forward to resumption of in-person activities and interactions with the lifting of COVID-related restrictions.

The Human Biodemography Laboratory is a fully functional BSL-2 wet lab that allows measurement of stress biomarkers, immune function, nutritional status, infection, and reproductive hormones to explore the individual and population-level determinants of human health from infancy to old age. Specializing in high-throughput biomarker quantification in blood, urine, and saliva, this facility serves UCSB researchers and others interested in biological aspects of human health and development in clinical, field, and experimental settings. Following a COVID-related shutdown, the lab has resumed its operations under the leadership of Broom Biodemography Area Director Michael Gurven.

To facilitate training in demography and demographic methods, the Broom Center operates a series of *Research Methods Mini-Courses*, taught by the computer lab manager and other UCSB graduate students and faculty. These short modules are typically two-hour hands-on sessions. Offerings during the past year have included workshops on the open-source programming language R, ethnographic methods, and multilevel modeling. Broom Graduate Associates also presented in-progress research and received feedback from affiliated faculty and students through *Graduate Lab Lunches*. **Appendix 8** provides details on 2019-20 Mini-Courses and Lab Lunches.

Since 2015, the Broom Center has coordinated an *Interdisciplinary PhD Emphasis in Demography* that allows students in Anthropology, Economics, Geography, Global Studies, and Sociology to add a Demography emphasis to their doctoral degrees. Training includes a common core course in demographic methods, a proseminar, and a choice of demographically oriented courses in four participating departments. In the required reading/discussion group, Emphasis students read work of UCSB demographers, meet with Broom faculty affiliates and Seminar speakers, and discuss their own

preliminary research plans. About a half dozen students from four departments are participating in the program. An overview of the PhD Emphasis and its requirements can be found in **Appendix 9**.

We are proud to report that several Broom Graduate Associates finished their PhD degrees during the 2019/20 academic year and have moved on to new positions in academia, government, and beyond. New PhDs include Sarah Bana (postdoctoral associate at MIT Sloan), Jacqueline Banks (post-doctoral scholar, University of Minnesota, Minnesota Population Center), Ben Manski (Assistant Professor of Sociology, George Mason University), Quintarius Shakir (George Gwinnett College), and Cascade Tukholske (Columbia University, Earth Institute Postdoctoral Research Scientist).

Research and education at the Broom Center is organized into six overlapping interdisciplinary areas: Family, Biodemography and Evolution, Population Health and Environment, Sex and Gender, Education and Health, and Immigration, Race and Ethnicity. Each is guided by an area director, who also sits on the Broom Center Advisory Board. Reports on the Center's research areas follow.

Research Highlights: Family

The Family Demography Theme Director is Shelly Lundberg, who is also the Broom Professor of Demography and the Associate Director of the Broom Center. In total, 11 Research Associates and 16 Graduate Associates from Sociology, Economics, Anthropology, Political Science, and Geography conduct research and publish within this theme.

In "Companionship Patterns and Emotional States during Social Interactions for Adolescents with and without Siblings" (in *Journal of Youth and Adolescence*), Broom Research Associate Elizabeth Ackert and coauthors Jocelyn Wikle and Alexander Jensen use the American Time Use Survey to compare the companionship patterns and emotional states of adolescents with and without siblings. They find that that adolescents with and without siblings differed mainly in their companionship patterns within the household and in their levels of happiness when alone and with peers. Compared to adolescents with siblings, adolescents without siblings spent more time alone, similar amounts of time with peers, and more time exclusively with parents. Only children were not as happy when spending time alone and with peers as adolescents with siblings, but their emotions in these settings were not more negative or less meaningful. In most other social interactions, emotional states were similar between adolescents with and without siblings.

In "Vulnerable Boys: Short-term and Long-term Gender Differences in the Impacts of Adolescent Disadvantage" (forthcoming in *Journal of Economic Behavior and Organization*) Broom Research Associate Shelly Lundberg and Graduate Associate Ziteng Lei re-examine the excess vulnerability of boys to family disadvantage as a possible cause of the growing gender gap in educational attainment between men and women. Using the Add Health data they find, as do previous studies, that boys are more likely to experience increased problems in school relative to girls, including suspensions and reduced educational aspirations, when they are in poor quality schools, less-educated neighborhoods, and father-absent households. Following these cohorts into young adulthood, however, they find no evidence that adolescent disadvantage has stronger negative impacts on long-run economic outcomes such as college graduation, employment, or income for men, relative to women. Lei and Lundberg conclude that focusing on gender differences in behavior in school may not lead to valid inferences about the effects of disadvantage on adult skills.

Research Highlights: Biodemography and Evolution

The Broom Center's Biodemography area is directed by Michael Gurven. In its ninth year, this area has eight research associates and ten graduate student associates, spanning anthropology, geography, and economics departments. Many of the theme's publications stem from the Evolutionary Anthropology and Biodemography Research Group, where the Tsimane Health and Life History Project (THLHP) (directed by Gurven) forms a central role (<http://tsimane.anth.ucsb.edu>). THLHP has been continuously funded by NIH/NIA since 2004 (an additional \$382,000 was awarded during the 2019-2020 period to expand its scope to study cognitive aging and dementia).

Area publications demonstrate the value of an evolutionary approach on a variety of themes that span across the social and natural sciences. Thirty-five publications from 2019-2020 appear in diverse, prestigious journals, such as the *Lancet*, *Science Advances*, *Nature Communications*, *Nature Human Behaviour*, *eLife*, *Molecular Biology & Evolution*, *Demography*, *Demographic Research*, *Evolution*, *Medicine & Public Health*, *Proceedings of the Royal Society B*, and *Philosophical Transactions of the Royal Society B*.

Broom faculty associate Amy Boddy studies the evolutionary and ecological components of human health, including (1) Comparative oncology and the evolution of cancer defenses; (2) Life history trade-offs in cancer, with a focus on early life adversity and cancer outcomes in human populations. Boddy has secured new funding through the Arizona Cancer & Evolution Center to study organismal evolution and cancer prevalence in vertebrates, including partnerships with the London Zoological Society to collect veterinary records and recently received support from NIH/NCI to characterize elephant tumor evolution, which will include collaborations with veterinarians and directors with Kenya Wildlife Services (\$38,190 total direct). Boddy's recent publication on comparative cancer in *Evolution*, *Medicine and Public Health* reports on life history parameters and cancer prevalence in mammals, supporting Peto's paradox (bigger and longer-lived animals show less cancer, not more). She also published a comprehensive review in *iScience* that mapped the top human cancers in a broader context against the tree of life.

Boddy also received an NSF grant, "Pregnancy-induced inflammation and obstacles to breastfeeding success in an industrialized environment" (\$30,394) with Broom graduate student Carmen Hové to study the link between maternal immune function, maternal health, and breastfeeding behavior in postpartum mothers in Seattle.

Broom associated faculty David Lawson published two research papers based on international collaborations. In *Proceedings of the Royal Society B*, he and colleagues at Väestöliitto, the Family Federation of Finland, report evidence that both economic costs (income loss) and social benefits (availability of helping kin) of early reproduction depend on early life socioeconomic status. In *Evolutionary Human Sciences*, he and collaborators from the National Institute for Medical Research in Tanzania, document gendered allocation of parental care among rural families, with fathers focused more on sons, while care from mothers was unrelated to child gender.

David Lawson also completed two book chapters now in press in the volumes *Human Behavioral Ecology* and *Human Evolutionary Demography*. The first reviews the evolution of parental care, with particular focus placed on how birth order, offspring gender and relatedness influence parental behavior. The latter considers how an evolutionary approach to population studies may inform our understanding of cultural practices deemed detrimental to wellbeing, including polygynous marriage,

child marriage and female genital cutting. This chapter draws on David's ongoing NSF-funded research in rural Tanzania.

In the world's premier medical journal, *The Lancet*, Broom associates Gurven, Thomas Kraft and graduate student Sarah Alami outline their prevention and containment plan for COVID-19 among Tsimane Amerindians, using their model as a template for indigenous groups worldwide. His group has been active in helping to monitor and manage COVID-19 in the Tsimane and Mosesten territory. His work with the Tsimane, especially his research on the lack of heart disease among Tsimane and other similar groups, was featured in the *New York Times*. The same three Broom associates also showed in *Proceedings of the Royal Society B* that higher social status in Tsimane women, but not men, led to better child health outcomes among the Tsimane. It emphasizes how often status striving in women is often overlooked, but doing so ignores important avenues for improving child well-being. Lastly, Gurven, Kraft and other Broom associate Raziel Davison generated a model of pedagogy to determine the conditions that may have favored the evolution of teaching in humans, and optimal ages for teaching and learning. Their paper demonstrates a key role that older adults (i.e. grandparents) have played in hunter-gatherers, and explores implications for the evolution of long lifespan.

Research Highlights: Population Health and Environment

The Center's Population Health and Environment research area was directed by inaugural area director David Lopez-Carr through the end of the 2019-20 academic year. The incoming area director is Professor Susan Cassels (Geography). This area has 17 graduate student associates, 3 postdoctoral researchers, and 10 faculty research affiliates spanning multiple disciplines. Research under this theme focuses on the interactions between human populations and their physical and social environments in order to understand the implications for health disparities as well as environmental change.

Environmental effects on health featured prominently among our affiliates research this year. Environmental impacts on health ranged from climate change to disasters, food insecurity, and insecticide use among others. Dr. Olivier Deschenes and colleagues used longitudinal data from China to demonstrate a significant effect of air pollution on body weight. Closer to home, Dr. Alan Murray and a number of colleagues from the Geography department examined environmental hazards and vulnerability in the coastal Santa Barbara area.

A number of Broom center affiliates developed innovative methods to examine population health and environment. Research affiliates Dr. Lopez-Carr and Dr. Weeks, along with their co-authors, found significant spatial variability in under-5 mortality rates in Ghana using remote sensed and demographic data that was associated with water and sanitation. Graduate research alumnus Cascade Tuholske and colleagues are significantly advancing global climate change metrics by developing and validating a remotely sensed infrared daily temperature data set, which will provide unparalleled data to examine climate impacts on health. In fact, Broom affiliates have highlighted how remotely sensed data merged with health survey data are useful for food aid planning (Grace, Murray & Wei).

Research from the Population Health and Environment area also included social and behavioral research on population health. Tuholske and colleagues examined how household employment was linked with household food consumption and coping strategies, showing that food insecurity was mostly a function of food cost, and not food availability. Dr. Deschenes and colleagues published timely research in *PNAS* suggesting that income inequalities are very important in the ability to social distance as a protective measure to COVID-19. Dr. John Weeks and colleagues examined the impact of gendered

norms within a girl's social network on risk of adolescent pregnancy. Lastly, Dr. Susan Cassels and coauthors published a couple of papers on geographic mobility and social determinants of sexual health.

Research Highlights: Sex and Gender

Thirteen faculty Research Associates and thirteen Graduate Student Associates from seven campus departments and programs contributed to the Sex and Gender research area during the last academic year. The thematic area is coordinated by Maria Charles, who is also Director of the Broom Center, Professor of Sociology, and faculty affiliate of the Feminist Studies Department at UCSB. Together Broom's Sex and Gender scholars produced a rich array of journal articles, chapters, and books that have explored gender and sexuality at multiple analytical levels and using diverse methodological approaches, ranging from analyses of gendered identities, attitudes, and individual interactions to the mapping of global trends in employment, family structures, and belief systems. Some examples are highlighted below.

Two new publications interrogate gender inequality in the occupational world. *Women in Economics* (2020) is a book edited by Broom's Associate Director Shelly Lundberg. Exploring women's experiences in the highly male-dominated economics profession, the volume's contributors suggest that women's underrepresentation in economics is rooted in processes that go beyond a simple lack of interest or disproportionate household responsibilities. Authors point to significant barriers to entry and disadvantages at multiple career stages, including insufficient mentoring and a dearth of female role models. Perhaps most importantly, women economists appear to be subject to implicit bias that causes their research and other professional contributions to be undervalued relative to men's.

In a recent article titled "Gender-Targeted Job Ads in the Recruitment Process: Evidence from China," former Broom Center Director Peter Kuhn, along with Kailing Shen and Shuo Zhang, focus on the gendered hiring process. The authors use unique internal data from a Chinese job board that includes explicit employer requests for applicants of a particular gender. Their results reveal strong effects of these gender preferences on the composition of the applicant pool and on call-back rates. They show, for example, that men who apply to jobs advertising a female preference experience a call-back penalty of 24 percent, and women who apply to jobs advertising a male preference experience an even larger penalty of 43 percent. This paper appeared in the *Journal of Development Economics*.

In "Gender Attitudes in Africa: Liberal Egalitarianism across 34 Countries," Broom Center Director Maria Charles provides a first descriptive mapping of support for women's equal rights across African countries and assesses diverse explanations for variability in that support. Contrary to stereotypes of a homogeneously tradition-bound continent, African citizens report high levels of agreement with gender equality that are more easily understood with reference to global processes of ideational diffusion than to country-level differences in economic modernization or women's public-sphere roles. Support for equal rights is found to be stronger among persons who are more exposed to extra-local culture, including through internet and mobile phone usage, news access, and urban residency, and it is conditioned by local religious cultures and gender structures. This article appeared in the journal *Social Forces*.

Research Highlights: Education and Health

The Broom Center's Education and Health Area Director is Heather Royer. Dr. Royer is an Associate Professor of Economics, Research Associate at the National Bureau of Economic Research, IZA Institute of Labor Economics Research Fellow, and Abdul Latif Jameel Poverty Action Lab Affiliate. This research area includes 41 affiliates from a diversity of fields including Anthropology, Economics, Geography, Global Studies, Psychological and Brain Sciences, and Sociology. For the 2019-2020 period, Education and Health researchers produced 20 publications including those in *Demography*, *American Journal of Physical Anthropology*, *Journal of Labor Economics*, *Proceedings of National Academy of Sciences*, *Management Science*, *Journal of Economic Theory*, *Evolution, Medicine, & Public Health*, and *Journal of the European Economic Association*. Examples of these studies are below.

Affiliate Olivier Deschenes and co-authors examine the distributional impacts of the COVID-19 pandemic on mobility in a recently published paper in the *Proceedings of the National Academy of Sciences*. Leveraging variation across states in the timing of their emergency declaration, they look at how the mobility of high income areas differ from that of low income areas. High income areas had higher mobility before the pandemic hit and became the least mobile areas, whereas the opposite is true for low income areas. As individuals living in low income areas are at higher risk of pre-existing conditions, this, combined with a lower likelihood of exhibiting social distancing, will likely lead to significant geographic disparities in the impact of the pandemic.

In work published in *Evolution, Medicine, & Public Health*, Affiliate Michael Gurven and collaborators contrast the functioning of the immune system during pregnancy among the Tsimane (an Amazon subsistence population) and the US population. They conclude that ecological conditions affect immune responses during pregnancy and baseline immunity.

Affiliate Heather Royer and Graduate Affiliate Maria Kogelnik in conjunction with Mireille Jacobson, a faculty member at USC, explore how the timing of birth deliveries is impacted by the presence of a holiday. For example, the number of births on Christmas is much lower than expected given the number of births on surrounding days. This work documents how large the holiday drop is and whether the shifting of births leads to an increase in the likelihood of adverse birth outcomes and raises the likelihood of cesarean section. They conclude that the effect on birth outcomes and method of delivery are small, and the shift of births largely reflects the re-timing of pre-planned cesarean sections. This paper is forthcoming at the *Journal of Labor Economics*.

Research Highlights: Immigration, Race and Ethnicity

Broom's Race, Ethnicity, and Immigration area was directed during the 2019-20 academic year by Distinguished Professor of Sociology Edward Telles, who also led UCSB's migration initiative prior to his relocation to UC Irvine. Through the migration initiative, Telles organized two events that allowed UCSB faculty members and students to present current research related to migration and fostered collaborations and discussion around several immigration issues across campus. The incoming area director is Professor Erika Arenas (Sociology).

The Race, Ethnicity, and Immigration area includes 15 research associates and 18 graduate student associates from Anthropology, Economics, Geography, Political Science, Global Studies, Black Studies, History, and Sociology. For the 2019-2020 period, researchers won several honors, grants, and

awards, and produced journal articles published in *Demography*, *Social Science Research*, *Latin American Policy*, and the *Journal of the Center for Human Resources*. Broom Research Associate Vilna Bashi Treitler was the recipient of the American Sociological Association's 2020 Cox-Johnson-Frazier Award, recognized as "one of the most accomplished, influential, and internationally recognized scholars working in immigration and transnational studies in the United States today." During this period, Professor Treitler also co-authored an article that analyzed racial dynamics in the United States and examined the forces required to dismantle racism.

Broom Associates Erika Arenas (along with Emiko Saldivar) received funding from the W.K. Kellogg Foundation to study the Impact of COVID-19 in the indigenous population in the Costa Chica in Mexico. Arenas also obtained a grant from Russell Sage Foundation for a pilot project intended to track and interview immigrants from a panel study -the Mexican Family Life Survey- after 20 years. In addition, she received funding from the Academic Senate of UCSB for a project that examines changes in mental health outcomes among undocumented immigrants. Arenas co-authored an article on how sending remittances is associated with mental health outcomes published by *Latin American Policy* (forthcoming).

Broom Associate Elizabeth Ackert co-authored a paper published in *Social Science Research* that investigated the factors associated with the decision to enroll children in early childhood education. In an article published in *Demography* she investigated differences in exposure to early childhood education across different destinations, and she published in *Social Science Research* a paper that explored the influence of spatial location of familial kin networks on racial/ethnic mobility patterns. Finally, Broom Associate Howard Winant wrote a chapter on Black and indigenous resistance in the Americas, and co-edited the book "Global Raciality" as part of the New Racial Studies series published by Routledge.

Appendices

1. Publications
2. Active Funding
3. Honors and Recognition
4. Media Attention and Public Policy Contributions
5. Seminar Schedule
6. Academic Visitors
7. Graduate Research and Training Grants (GRTG) Awarded

8. Methods Mini-Courses and Graduate Student Presentations

9. Interdisciplinary PhD Emphasis in Demography

Appendix 1

Publications, 2019 and 2020²

Elizabeth Ackert

Ressler, Robert W., Elizabeth Ackert, Arya Ansari, and Robert Crosnoe. 2020. Race/ethnicity, human capital, and the selection of young children into early childhood education. *Social Science Research* 85: 102364. [A]

Wikle, Jocelyn S., Elizabeth Ackert, and Alexander C. Jensen. 2019. Companionship patterns and emotional states during social interactions for adolescents with and without siblings. *Journal of Youth and Adolescence* 48, no. 11: 2190-2206. [A]

Akert, Elizabeth, Robert Crosnoe, and Tama Leventhal. 2019. New Destinations and the Early Childhood Education of Mexican-Origin Children. *Demography* 56, no. 5: 1607-1634. [A]

Akert, Elizabeth, Amy Spring, Kyle Crowder, and Scott J. South. 2019. Kin location and racial disparities in exiting and entering poor neighborhoods. *Social science research* 84: 102346. [A]

Amy Anderson

C Hové, BC Trumble, AS Anderson, J Stieglitz, H Kaplan, MD Gurven, AD Blackwell. 2020. Flexibility of fetal tolerance: Immune function during pregnancy varies between ecologically distinct populations. *Evolution, Medicine, & Public Health*. <https://doi.org/10.1093/emph/eaaa022> [A]

AO O'Donnell, E Hill, AS Anderson, H Edgar. 2020. Cribra orbitalia and porotic hyperostosis are associated with respiratory infections in a contemporary mortality sample from New Mexico. *American Journal of Physical Anthropology*. Accepted. [A]

AS Anderson, B Trumble, C Hove, TS Kraft, H Kaplan, M Gurven, AD Blackwell. 2019. Old friends and friendly fire: Pregnancy, hookworm infection, and anemia among tropical horticulturalists. *American Journal of Human Biology*. [DOI:10.1002/ajhb.23337](https://doi.org/10.1002/ajhb.23337) [A]

Erika Arenas

Saldívar, Emiko, Patricio Solís, Erika Arenas. "Consideraciones metodológicas para el conteo de la población afromexicana en el Censo 2020", *Coyuntura Demográfica*, 14, 49-56. [A]

Erika Arenas, Hector Conroy, Jenna Nobles. 2019. Recent Trends in Internal and International Mexican Migration: Evidence from the Mexican Family Life Survey. Chapter 5 in *Change in the well-being of Mexicans: Evidence of the first and second wave of the MxFLS*. Ed. Mexico: Universidad Iberoamericana [C]

² To facilitate comparability of research output over time, this appendix reports all publications by Center Associates in 2019 and 2020, plus all accepted, forthcoming items.

*Item is listed more than once in this report, since it has multiple Broom authors.

A - peer-reviewed article, B - book, C - chapter in edited volume, O - other

Vilna Bashi Treitler

Bashi Treitler, Vilna and Aldon Morris. 2019. The Racial State of the Union: Racial Inequality and Struggle in the USA. In the journal *Caderno CRH: (Journal of the Center for Human Resources)*; in a special issue on “Social inequalities: new agenda for contemporary social theory”, n. 85. [A]

Amy Boddy

Marques C, Compton Z, Boddy AM. Forthcoming. Connecting paleopathology and evolutionary medicine to cancer research: past and present. *Evolving Health: Paleopathology and Evolutionary Medicine*, Oxford University Press. [C]

Boddy AM, Abegglen LM, Schiffman JD, Maley CC, Witte C. In press. Does placental invasiveness lead to higher rates of malignant transformation in mammals? *Evolution, Medicine and Public Health*. [A]

Boddy AM, Harrison T, Abegglen LM. 2020. Comparative Oncology: New Insights into an ancient disease. *iScience*. [A]

Boddy AM, Abegglen LM, Pessier AP, Schiffman JD, Maley C, Witte C. 2020. Lifetime cancer prevalence and life history traits in mammals. *Evolution, Medicine and Public Health*. [A]

Campenni M, May AN, Boddy AM, Harris V, Nedelcu AM. 2020. Agent-based modelling reveals strategies to reduce the fitness and metastatic potential of circulating tumour cell clusters. *Evolutionary Applications*. [A]

Somarelli JA, Boddy AM, Gardner H, Bartholf DeWitt S, Tuyohy J, Megquier K, Sheth MU, Hsu D, Thorne JL, Eward WC. 2020. Improving cancer drug discovery by studying cancer across the tree of life. *Molecular Biology and Evolution* 37.1: 11-17 [A]

Somarelli JA, Gardner H, Cannataro VL, Gunady EF, Boddy AM, Johnson NA, Fisk JN, Gaffney SG, Chuang JH, Li S, Ciccarelli FD. 2020. Molecular biology and evolution of cancer: from discovery to action. *Molecular Biology and Evolution*, 37(2), 320-326. [A]

Sarah Alami Gouraftei

Alami, S., von Rueden, C., Seabright, E., Kraft, T.S., Blackwell, A.D., Stieglitz, J., Kaplan, H., & Gurven, M. 2020. Mother’s social status is associated with child health in a horticulturalist population. *Proceedings of the Royal Society B*, 287(1922). DOI: 10.1098/rspb.2019.2783. [A]

Kaplan, HS., Trumble, BC., Stieglitz, J., Mamany, RM., Cayuba, MG., Moye, LM., Alami, S., Kraft, T., Gutierrez, RQ., Adrian, JC., Thompson, RC. 2020. Voluntary collective isolation as a best response to COVID-19 for indigenous populations? A case study and protocol from the Bolivian Amazon. *The Lancet*. DOI: [10.1016/S0140-6736\(20\)31104-1](https://doi.org/10.1016/S0140-6736(20)31104-1) [A]

Jason Budge

Budge, Jason and Maria Charles. 2020. Trends in Support for Stay-at-Home Mothering. *Contexts* 19(2): 71-73. [A]

Susan Cassels

Lee J, Cassels S. Forthcoming. Immigrant generational differences in social support and sexual risk behaviors among men who have sex with men in Seattle, Washington. *AIDS Education and Prevention*. [A]

Cassels S, Mwenda KM, Biney AAE, Jenness SM. Forthcoming. Is it the timing? Short-term mobility and coital frequency in Agbogbloshie, Ghana. Provisional Acceptance at *Archives of Sexual Behavior*.
Cassels S. 2020. Time, population mobility, and HIV transmission. *The Lancet HIV*. ePub Jan 14:
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Gary Charness

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Olivier Deschenes

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Michael Gurven

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Verta Taylor

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Cascade Tuholske

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John Weeks

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Howard Winant

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Rujun Yang

Yang, Rujun, and Maria Charles. Forthcoming. Traditional Asians? Race, Ethnicity, and Gender Policy Attitudes in the USA. *RSF: The Russell Sage Foundation Journal of the Social Sciences*. [A]

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Appendix 2

Active Funding, 2019/2020

Elizabeth Ackert

NICHHD R03 Award. Immigrant Destinations, Institutional Supports, and Health among Latino/a Children. (PI; co-Investigator is Dr. Robert Crosnoe) 2018-2021. \$100,000

NSF (SES- Sociology) Award. Kin Location, Neighborhood Disadvantage, and Health and Well-Being across the Life Course. (co-PI with Drs. Amy Spring and Nicole Kravitz-Wirtz). 2020-2023. \$450,000

NSF Social, Behavioral, and Economic Sciences Postdoctoral Research Fellowship. Immigrant Destinations and Achievement and Participation in STEM among Mexican-Origin Students. (PI). 2018-2019. \$138,000

Amy Anderson

National Science Foundation Doctoral Dissertation Research Improvement Grant. 2019-2021. Co-PI. \$18,780

UCSB Integrated Anthropological Sciences Graduate Student Summer Research Block Grant. 2019. \$1,650.

2019-20 Graduate Opportunity Fellowship.

UCSB Integrated Anthropological Sciences Graduate Student Research and Writing Grant. \$2,000.

Erika Arenas

W.K. Kellogg Foundation to study the Impact of COVID-19 in the indigenous population in the Costa Chica in Mexico.

Russell Sage Foundation for a pilot project intended to track and interview immigrants from a panel study -the Mexican Family Life Survey- after 20 years.

Ministry of Finance of Mexico, November 2017- (\$200,000) as Co-PI for data collection of 4thwave of the Mexican Family Life Survey in the United States.

UC MEXUS Collaborative Grant, June 2017- Competitive Fellowship (\$25,000) as PI for the project: The Role of Documentation Status on Mental Health: Evidence using Representative Longitudinal Data.

Kellogg Foundation, June 2017- Social Stratification of Afro-descendant population in Mexico (\$360,000) as Co-PI.

CONACYT-SEDESOL, November 2016- Competitive Fellowship (MXN 18,550,000 pesos/ about US \$927,500) as Co-PI of the Mexican Family Life Survey.

Amy Boddy

University of California Santa Barbara, Academic Senate Grant. The functional role of fetal microchimerism in maternal health. \$11,513, PI.

National Science Foundation. Pregnancy-induced inflammation and obstacles to breastfeeding success in an industrialized environment. \$30,934, Co-PI with student Carmen Hové. 2019-2021.

Administrative Supplement. Characterization of Elephant Tumor Evolution. \$38,180 total direct. Co-PI. 2019-2020.

ACE Pilot Funding. Phenotypic and Genomic Responses to DNA Damage in Crocodylians. Co-PI. \$8,000. 2019-2020.

ACE Pilot Funding. Somatic Mutations in Tumors from Wild African Elephants. Co-PI. \$25,155 2019-2020.

Sarah Alami Gouraftei

NSF DDRIG \$25,000

Erika Arenas

Ministry of Finance of Mexico, November 2017 –(\$200,000) as Co-PI for data collection of 4th wave of the Mexican Family Life Survey in the United States.

UC MEXUS Collaborative Grant, June 2017 –Competitive Fellowship(\$25,000) as PI for the project: The Role of Documentation Status on Mental Health: Evidence using Representative Longitudinal Data.

Kellogg Foundation, June 2017 -Social Stratification of Afro-descendant population in Mexico(\$360,000) as Co-PI.

CONACYT-SEDESOL, November 2016 –Competitive Fellowship (MXN 18,550,000 pesos/ about US \$927,500) as Co-PI of the Mexican Family Life Survey.

Amy Boddy

National Cancer Institute. \$7,500,000 total direct. Co-Leader Project 1. 2018-2023.

Susan Cassels

Activity spaces for HIV risk and prevention among diverse men who have sex with men in Los Angeles NIH/NIDA R21 DA049643. 7/2020 – 6/2022. \$402,151. PI.

A data-driven approach to modeling the effects of non-pharmaceutical interventions in disease progression dynamics at varying geographic granularities UCSB VCR Seed Grant Collaborative Project. \$50,297. Co-PI

The Migration & Prevention Cluster: Sexual Health among LGBTQ+ Communities

UCSB Chicano Studies Institute Research Cluster grant. \$1,850. Multiple PI.

Maria Charles

US-Israel Binational Science Foundation. 2019. Why Do More Arab than Jewish Girls Study STEM? Assessing Effects of Material Insecurity and Self-expressive Culture on Curricular Paths in Israel. Feniger, Charles, Pinson. \$171,000

Carsey-Wolf Center Faculty Research Support Grant, UCSB. 2019. Private Lives-Public Politics: Gender Relations and Gender Ideologies in Middle Eastern, North African and South Asian Countries. Afary, Charles, Friedland. \$5,000.

Collaborative Research Initiative Grant (C-RIG), UCSB 2019. Private Lives-Public Politics: Gender Relations and Gender Ideologies in Middle Eastern, North African and South Asian Countries. Afary, Charles, Friedland. \$8,000

Olivier Deschenes

California Environment Protection Agency, Grant Number 19EPA017, "AB 74 Study: Demand and Supply of Fossil Fuels," March 2020 – March 2022, \$1.5 million (co-PI with R. Deshmukh, D. Lea, and K. Meng).

National Institutes of Health / National Institute of Environmental Health Sciences, Grant number R21ES019375. Using Medication Purchases to Measure the Health Consequences of Air Pollution (with M. Greenstone and J. Shapiro). \$334,951.

Noah Friedkin

U.S. Department of Defense. 2015-2020. Multidisciplinary University Research Initiative on Social Networks and Team Dynamics in Task-Oriented Groups. 3 UCSB PIs: Noah Friedkin, Ambuj Singh and Francesco Bullo. \$6,250,000.

Michael Gurven

National Institutes of Health/NIA Grant. Administrative supplement. 2020. (Joint PI: Gurven, Kaplan, Finch, Thomas) \$382,250.

National Science Foundation Doctoral Dissertation Grant. 2020. Drivers and consequences of intermarriage on social networks and risk-buffering. PI: Gurven, co-PI: Sarah Alami, \$25,200.

National Science Foundation Doctoral Dissertation Grant. 2020. The skeletal biology of porous cranial lesions. PI: Gurven, co-PI: Amy Anderson, \$31,044.

National Institutes of Health/NIA Grant. R01. 2018-2022. Brain atrophy, cognitive impairment and Alzheimer's in a low CVD-risk population. Joint PI, \$2,902,118.

National Institutes of Health/NIA Grant. R01. 2017-2022. Brain atrophy, cognitive impairment and Alzheimer's in a low CVD-risk population. Joint PI, \$3,773,865.

Natasha Krell

Schmidt Family Foundation Environmental Solutions Award. 2019. PI.

Department of Defense Science, Mathematics, and Research for Transformation Scholarship. 2019. PI

David Lopez-Carr

University of California, Office of the President. 2016-2019. Innovative Learning Technology Initiative (ILTI) Course Development Grant: "Global Population, Health, and Environment". PIs W. Smith and D. López-Carr. \$220,000.00.

University of California, Research Programs on Migration and Health (PIMSA). 2018-2020. Agricultural Productivity and Worker Health: The Hidden Costs of Extreme Heat. PIs David Lopez-Carr and Armando Sanchez Vargas. \$24,948.

University of California Institute for Mexico and the United States (UC MEXUS), UC MEXUS-CONACYT. 2018 - 2019. Collaborative Grant Extreme Heat and Migrant Workers: Enhancing Health Resilience and Productivity. PIs David Lopez-Carr and Armando Sanchez Vargas. \$24,979.

University of California Global Health Institute (UCGHI) Center of Expertise on Planetary Health. UC Counsel of Chancellors. 2016-2019. PIs D. López-Carr and W. Smith. \$600,000.

University of California, Office of the President Innovative Learning Technology Initiative (ILTI) 2016-2019. Course Development Grant: Global Population, Health, and Environment. PIs W. Smith and D. López-Carr. \$110,000.

David Lawson

National Science Foundation Senior Research Award (PI). 2019-2020. Assessing the Costs and Benefits of Cultural Practices. \$199,074.

Hellman Fellowship (PI). 2018-2019. Understanding Men's Incentives for Women's Empowerment: Testing predictions from sexual conflict theory in Tanzania. \$40,905.

UCSB Regents Junior Faculty Fellowship (PI). 2019. Understanding Men's Incentives for Women's Empowerment: Testing predictions from sexual conflict theory in Tanzania. \$7,500 .

Brenda Major

UCSB Academic Senate Grant, Testing interventions to alleviate weight stigma effects. \$5,200.

UCSB College of Letters and Science, Office of the Executive Dean. Proposal for Conference on Current Directions in the Science of Human Resilience. \$2,500.

Russell-Sage Foundation. 2018-2019. Examining Health Costs of Upward Mobility among Latino/a American Young Adults.

Karly Marie Miller

NSF Doctoral Dissertation Improvement Grant. 2017-2019. Assessing the Effects of Tourism Development on Small Scale Fisheries. Co-PI, BCS-1735886. \$12,860.

Alan Murray

National Science Foundation. 2017-2019. PREEVENTS Track 2: Understanding Extreme Fire Weather Hazards and Improving Resilience in Coastal Santa Barbara, California. Carvalho, L., A. Murray, C. Jones, D. Roberts and R. Church. \$ 1,508,987.

Heather Royer

UCSB Faculty Senate Grant for Effects of Drinking Water Quality on Infant Health. \$10,000.

Cascade Tuholske

2020 UCSB Department of Geography Excellence in Research Award. \$500

2020 National Science Foundation SBE Postdoctoral Fellowship. (\$140,000 - declined)

2020 Earth Research Institute Postdoctoral Research Fellowship at Columbia University. \$149,090

2019 Jack & Laura Dangermond Geography Travel Scholarship. \$500

John Weeks

The National Institute of Child Health and Human Development, 2016-2021. Adolescent pregnancy and social networks in rural Honduras. 5K01HD087551. John R. Weeks, Mentor to Holly Shakya (UCSD School of Medicine).

Appendix 3

Honors and Recognition, 2019/20

Vilna Bashi Treitler

2020 recipient of the Cox-Johnson-Frazier Award given by the American Sociological Association for scholarship in service to social justice.

The Ethnic Project: Transforming Racial Fictions into Ethnic Factions (Stanford University Press, 2013) is chosen for inclusion in the Zora Canon, the list of top 100 books ever written by an African American woman.

Maria Charles

Elected Fellow, American Academy for Advancement of Science, AAAS (2019-)

Elected Fellow, Sociological Research Association (2010-).

Editorial Board Member, *Social Science Research* (2020-present)

Elected Member. Electorate Nominating Committee, Section on Social, Economic & Political Sciences, American Academy for the Advancement of Science, AAAS (2020-2023).

Editorial Board Member, *Socius* (2017-present).

Editorial Board. *Social Sciences*, Gender Studies Area (2018-2020)

Executive Advisory Board, UCSD Center for Research on Gender in the Professions (2010-).

Gary Charness

Winner, Exeter Prize for Research in Experimental Economics, Decision Theory and Behavioral Economics.

Editorial Board, *Review of Behavioral Economics*. (2013 - present).

Visiting Professor, Southwestern University of Finance and Economics, Chengdu, Sichuan, China, December. (2012 - present).

Associate Editor, *Journal of the European Economic Association*. (2011- present)

Member, IZA, Bonn, November. (2011 - present)

Advisory Editor, *Games and Economic Behavior*. (2011 - present).

Ad-Hoc Editor, *American Economic Journals – Micro*. (2011 - present).

Member, CESifo, Munich, December. (2010 - present).

Associate Editor, *Management Science*. (2009 - present).

Director, Experimental and Behavioral Economics Laboratory, September. (2007 - present).

Editorial Board, *Experimental Economics*. (2006 - present).

Editorial Board, *American Economic Review*. (2006 - present).

Editorial Board, *Journal of Economic Behavior and Organization*. (2005 - present).

Noah Friedkin

Fellow, American Academy for the Advancement of Science (2017-present)

Editorial Board, *Journal of Mathematical Sociology*. (2001- present).

Harrison White Outstanding Book Award, *Social Influence Network Theory*.

Steven Gaulin

Co-Editor-in-Chief, *Evolution and Human Behavior* (Elsevier). (2002 - present).

Michael Gurven

Member, National Science Foundation, Cultural Anthropology, Doctoral Dissertation Grant Review Committee. (2009-present).

Health consultant for Tsimane Government (*Asesor de Salud, Gran Consejo Tsimane*) (2009-present).

Unit Chair, Integrative Anthropological Sciences (IAS), UCSB. (2008-present.)

Associate Editor, *Evolution and Human Behavior* (Elsevier). (2007-present).

Affiliate, Latin American and Iberian Studies Department (2003-present).

Director, Tsimane Health and Life History Project. (2002-present).

Peter Kuhn

Editorial Board Member, *AEJ: Applied Economics*. (2013- present).

Associate Editor, *IZA World of Labor*. (2013- present).

Associate Editor, *IZA Journal of Labor Economics*. (2012- present).

Associate Editor, *Industrial and Labor Relations Review*. (2011- present)

Advisory Board Member, Canadian Labour Market and Skills Research Network (CLSRN). (2011-present)

Visiting Senior Fellow, Institute for the Study of Labor (IZA) Bonn, Germany. (2010- present).

Advisory Board Member, Experimental and Behavioral Economics Lab (EBEL), UCSB. (2007-present).

Fellow, Center for the Study of Poverty and Inequality (Stanford University). (2006- present).

Research Associate, National Bureau of Economic Research (Cambridge, MA). (2005- present).

Advisory Board Member, UCSB/Penn State GIS Population Science Program. (2004- present).

Associate Editor, *Labour Economics*. (2004- present).

Research Fellow, CESifo Research Network, Munich. (2000- present).

Research Fellow, Institute for the Study of Labor (IZA) Bonn. (1999 - present).

David Lopez-Carr

Advisory Board Member, World Geography Editorial Management, ABC-CLIO Academic Publishers. (2011-present).

Core Faculty, Spatial Science minor, UCSB. (2010- present).

Affiliate Faculty, Global and International Studies, UCSB. (2010- present).

Research Associate, Center for Comparative Immigration Studies (CCIS) at University of California, San Diego. (2010- present).

Research Associate, UC Center for U.S.-Mexican Studies (USMEX). (2009- present).

Adjunct Faculty, Department of Geography, San Diego State University. (2008- present).

Steering Committee Member. International Geographical Union Land Use/Cover Change (LUCC) Commission. (2008-present).

Associate Editor. *Population and Environment*. Springer. (2008-present).

Editorial Board Member. *Journal of International and Global Studies*. Lindenwood University Press. (2008-present).

Affiliate Faculty, Interdisciplinary Program in Marine Sciences, UCSB. (2007- present).

Associate Investigator, Santa Barbara Channel (SBC) and Moorea Coral Reef (MCR) Long Term Ecological Research Network (LTER). (2007-present).

Affiliate Faculty, Latin American and Iberian Studies, UCSB. (2006- present).

Shelly Lundberg

Distinguished Fellow of the American Economic Association. 2020.

Doctorate Honoris Causa, University of Bergen, (2012 - present).

Associate Editor, *IZA World of Labor*, (2012- present).

Guest Editor, *European Economic Review*, special issue on Gender Differences in the Labor Market. (2018).

Associate Editor, *Journal of Demographic Economics*. (2013-present).

Associate Director, Broom Center for Demography, (2011-present).

Fellow, Society of Labor Economists, (2008-present).

Research Fellow, IZA, (2004-present).

Board of Editors, *Review of Economics of the Household*, (2001- present).

Chair, Committee on the Status of Women in the Economics Profession, American Economic Association. (2016-2018).

President, European Society for Population Economics. (2018-2019).

Member, Standing Committee on the Future of Major NSF-Funded Social Science Surveys.

Committee on National Statistics of the National Academies of Sciences, Engineering and Medicine. (2015-2017).

Brenda Major

Distinguished Lifetime Career Award, International Society for Self and Identity (2020)

Elected to the American Academy of Arts and Sciences (2019)

Editorial Board, *Psychological Review* (2010- present).

Editorial Board, *Social Justice Research*, (2003- present).

Aashish Mehta

Consultant – Education and Structural Transformation – Asian Development Bank (2012-Present)

Senior Collaborator – Center for Nanotechnology and Society, UCSB (2010-Present)

Victor Rios

Member, American Sociological Association, Committee on Racial and Ethnic Minorities (2010 - present).

Advisory Board Chair, Chicano Studies Institute UCSB. (2010 - present).

Advisory Board Member, Center for Black Studies UCSB. (2009 - present).

Editorial Board Member, *Aztlan: A Journal of Chicano Studies*. (2008 - present).

Committee Member, *Pacific Sociological Association*, Committee on Race and Ethnic Minorities. (2007 - present).

Racial Democracy, Crime and Justice Network Member, Ohio State University/National Science Foundation. (2007 - present).

Present Advisory Board Member, Kirwin Institute for the Study of Race and Ethnicity, Ohio State University, African American Male Project. (2006 - present).

Affiliated Faculty, Center for Culture, Immigration and Youth Violence Prevention University of California, Berkeley, Institute for the Study of Societal Issues. (2005 - present).

Heather Royer

Associate Editor, *Journal of Economic Behavior & Organization* (2011 - present).

Bing Health Scholar, RAND Corporation (2011 - present).

Faculty Research Fellow, National Bureau of Economic Research (2009 - present).

Cecilia Speroni

Project director for Mathematica Policy Research.

<https://www.mathematica-mpr.com/our-publications-and-findings/projects/research-experiences-for-undergraduates-reu>

Stuart Sweeney

Editorial Board member, *Spatial Demography* (2011- present)

Verta Taylor

Editorial Board, *Social Psychology Quarterly* (2014-present)

Editorial Board, *Social Currents* (2012- present)

Editorial Board, *Sociological Forum* (2007-present)

Editorial Board, *Mobilization: An International Journal about Social Movements, Protest, and Collective Behavior* (1995-present)

Editorial Board, *Social Movement Studies* (2002-present)

Associate Editor, Series on Social Movements, Protest, and Societies in Contention, University of Minnesota Press (1992-present).

Member, Advisory Board, Consortium on Social Movement Studies, Dept. of Political and Social Sciences, European University, Florence, Italy.

John Weeks

Director, International Population Center, San Diego State University (2011 - present)

Member, University Student Learning Outcomes Assessment Committee, (2011-present).

Member, University Research Council, (2010-present).

Senior Fellow, California Council on Science and Technology (2008 - present)

Editorial Board, *GeoJournal* (2007 - present).

Clinical Professor of Global Public Health, School of Medicine, University of California, San Diego (1998 - present).

Editorial Board, *Journal of Immigrant Health* (1996 - present).

Appendix 4

Media Attention and Public Policy Contributions, 2019/2020

Vilna Bashi Treitler

Eligon, John. "A Debate Over Identity and Race Asks, Are African-Americans 'Black' or 'black'?": The push to capitalize black to refer to African-Americans is far more than a typographical change." 26 June 2020. <https://www.nytimes.com/2020/06/26/us/black-african-american-style-debate.html>

Lorick-Wilmot, Yndia. Talking Journeys of Belonging 2 Blackness – Special Episode (with simultaneous podcast and YouTube release), on "#Uprisings 2020" Part 1, June 2020, https://www.youtube.com/watch?v=hEi1m_1J39o&t=1s

Ward, Marguerite. "22 books on racism, discrimination and white privilege that will show you what's happening in America right now." *Business Insider*. 8 July 2020. <https://www.businessinsider.in/careers/news/16-books-on-race-and-white-privilege-that-will-show-you-whataposs-really-happening-in-america-right-now/slidelist/76248283.cms>

Ward, Marguerite. "16 books on racism, discrimination and white privilege you should read, from history of oppression to everyday microaggressions." *Business Insider*. 7 June 2020. <https://www.businessinsider.in/careers/news/16-books-on-race-and-white-privilege-that-will-show-you-whataposs-really-happening-in-america-right-now/slidelist/76248283.cms>

"Academic Mentoring as a Liberatory Praxis," a workshop and discussion for Strike University, May 2, 2020. <https://strikeuniversity.org/Faculty-Teach-In-Vilna-Bashi-Treitler>

Leachman, Shelly. "A Crowning Achievement, Scholar and social justice activist Vilna Bashi Treitler receives two new significant honors for her work." *UCSB Current*, University of California Santa Barbara, 23 Jan. 2020. <https://www.news.ucsb.edu/2020/019770/crowning-achievement>

The Zora Editors. "The Zora Canon: The 100 Greatest Books Ever Written by African American Women" at *Medium.com*. 12 January 2020. <https://zora.medium.com/100-best-books-by-black-women-authors-zora-canon-46b3492bdded>

Smith, Christen. "Trauma, Resilience, Memoir, and Artistic Vision." Interview for Cite Black Women podcast. August 2019, <https://www.stitcher.com/podcast/cite-blackwomen/e/63761633>

Sarah Alami Gouraftei

The status of women: <https://www.news.ucsb.edu/2020/019828/status-women>

Amy Anderson

Old Friends and Friendly Fire in the UCSB Current:

https://www.news.ucsb.edu/2020/019781/old-foes-old-friends?utm_campaign=February%206%2C%202020&utm_content=Old%20Foes%2C%20Old%20Friends&utm_medium=email&utm_source=newsletter

Interview on UCSB's That Anthro Podcast:

<https://podcasts.google.com/feed/aHR0cHM6Ly9hbmNob3luZm0vcy8yMWYzNDkyNC9wb2RjYXN0L3Jzcw/episode/YWUzODI3NTEtYjY1Zi00MjhmLWlyMDEtMjJhOTIjY2JlYWE2?hl=en&sa=X&ved=0CA0QzslCahcKEwiA3bD-z4LrAhUAAAAAHQAAAAAQBw>

Amy Boddy

Interviewed by Jacqueline Wen, The Daily Nexus, [UCSB Researcher Investigates Strategies for Reducing Metastatic Potential of Cancer Cell Clusters](#)

Maria Charles

Maria Charles: Blog post, extended interview: [Gender Stereotypes, Gendered Self-Expression, and Gender Segregation in Fields of Study: A Q&A with Professor Maria Charles](#). Harvard GenderSci Lab, February 2020.

Maria Charles: Instagram post: What Women's Equality Means to You. UCSB Department of Public Affairs and Communications, for Women's Equality Day, August 2019.

Michael Gurven

New York Times:

Coverage on Gurven research on heart disease in Bolivia:

"Evolution Gave Us Heart Disease. We're Not Stuck With It."

<https://www.nytimes.com/2019/08/06/opinion/evolution-heart-disease.html>

Scientific American:

<https://www.scientificamerican.com/article/are-human-body-temperatures-cooling-down/>

de Correspondent (Dutch newspaper) on role of grandparents

<https://decorrespondent.nl/11285/grootouder-dat-is-pas-een-vitaal-beroep/376004915-25c3bf69>

Media coverage of *Lancet* paper:

SciDevNet:

<https://www.scidev.net/america-latina/coronavirus/noticias/etnia-boliviana-crea-protocolo-para-enfrentar-covid-19.html>

El Pais (Bolivian national newspaper):

https://www.elpais.bo/reportajes/20200611_los-tsimanes-y-su-protocolo-para-enfrentar-al-covid-19.html?fbclid=IwAR3gfgr1b5iam5VEMb8eK50DANt6gOBy6OTjzYigfNfm4sm7O04g0sTD9uE

Media coverage of Phil Trans paper on evolution of pedagogy:

Wall Street Journal:

<https://www.wsj.com/articles/why-elders-are-indispensable-for-all-of-us-11591984900-6/12/2020>

Podcast/Programs:

Zombified, “Adapted for the apocalypse” with Mike Gurven:

<https://zombified.fireside.fm/adaptedfortheapocalypse>

Sausage of Science: “Health research across diverse populations”

<https://www.humbio.org/sos-82-health-research-across-diverse-populations-with-dr-michael-gurven/>

The Dissenter with Ricardo Lopes: <https://youtu.be/p1DRuvoRQdg>

UCSB Press Releases:

Indigenous Protection <https://www.news.ucsb.edu/2020/019900/indigenous-protection>

The Status of Women <https://www.news.ucsb.edu/2020/019828/status-women>

Old foes, old friends <https://www.news.ucsb.edu/2020/019781/old-foes-old-friends>

The Giving Season <https://www.news.ucsb.edu/2019/019734/giving-season>

Finding your Niche <https://www.news.ucsb.edu/2019/019625/finding-your-niche>

Population Paradox <https://www.news.ucsb.edu/2019/019504/population-paradox>

WEIRD Science <https://www.news.ucsb.edu/2018/019089/weird-science>

Natasha Krell

UCSB current about Schmidt award: <https://www.news.ucsb.edu/2019/019464/sense-urgency>.

David Lawson

What if 'child marriage' means older teens making choices?

Futurity. <https://www.futurity.org/child-marriage-early-marriage-1995282-2/>

Shelly Lundberg

NSF: Women's History Month

<https://medium.com/@NSF/increasing-participation-in-economics-computer-science-and-engineering-a7d104c84650>

Alan Murray

Featured in news article entitled "Location and Competition: Researchers investigate the variability of gas prices in Santa Barbara County" by Sonia Fernandez, published in UC Santa Barbara Current Science+Technology (March 4, 2019) -

<https://www.news.ucsb.edu/2019/019365/location-and-competition>

Featured in news article entitled "The variability of Santa Barbara gas prices" by Sonia Fernandez, published in edhat Santa Barbara (March 6, 2019) -

<https://www.edhat.com/news/the-variability-of-santa-barbara-gas-prices>

Featured in news article entitled "How Does This Goleta Gas Station Get Away with Price Gouging? UCSB Geographers Study Santa Barbara Pump Prices" by Tyler Hayden, published in Santa Barbara Independent (March 20, 2019) -

<https://www.independent.com/2019/03/20/glen-annie-gas-gouging-explained/>

Featured in news article entitled "UCSB Researchers Investigate Factors Affecting Gasoline Price Variability in Santa Barbara County" By Jacqueline Wen, published in Daily Nexus (UCSB) (April 25, 2019) - <http://dailynexus.com/wp-content/uploads/2019/05/04-25-2019.pdf>

Live interview on KEYT News, Santa Barbara, Channel 3 / Fox 11 / KCOY 12 about gas prices in Santa Barbara and featured in news article entitled "Gas prices in the \$5 range in California Californians pay more than drivers in other states" by Tracy Lehr, published in KEYT News (October 2, 2019) - <https://www.keyt.com/news/gas-prices-in-the-5-range-in-california/1128337475>

Cecilia Speroni

<https://www.the74million.org/the-benefits-of-merit-pay-new-study-shows-that-federally-funded-teacher-bonuses-led-to-improved-student-performance/>

Sarah Thébaud

Thébaud, Sarah and David S. Pedulla. Forthcoming. Unpacking Millennial Men's responses to Supportive Work-Family Policies. *Gender & Society* Blog.

Appendix 5

Seminar Schedule, 2019/2020

FALL

Monday, October 7:

Kelsey Jack (UC Santa Barbara, Bren School of Environmental Science)

“Seasonal Hunger, Rural Labor Markets and Agricultural Production.”

Monday, October 14:

Brenna Henn (UC Davis, Anthropology)

“Demographic changes during subsistence transitions in Eastern and Southern Africa as inferred from Human Genomic Data.”

Host: Mike Gurven

Monday November 4:

Joyce Wamoyi (Tanzanian National Institute for Medical Research, Epidemiology)

“Adolescents and young women’s vulnerability to HIV: Understanding the role of Transactional Sex.”

Host: David Lawson

Monday November 18:

Trevon Logan (UC Santa Barbara, Economics)

“Physician Bias and Racial Disparities in Health: Evidence from Veterans’ Pensions.”

Monday December 2:

Liz Ackert (UC Santa Barbara, Geography)

“Health among Latino/a Children across Immigrant Destinations.”

WINTER

Monday January 13:

Heather Randell (Penn State University, Rural Sociology & Demography)

“Stunted from the start: Early life climate and child undernutrition in Ethiopia.”

Host: Frank Davenport

Monday January 27:

Jenna Nobles (University of Wisconsin, Sociology)

“Demography Before Birth: Implications for the Social and Health Sciences.”

Host: Susie Cassels

Monday February 3:

Christopher Blattman (University of Chicago, Political Science/Economics)

“Gangs of Medellín: How Organized Crime is Organized.”

Host: Heather Royer

Monday February 10:

Elizabeth Wrigley-Field (University of Minnesota, Sociology)

“The Epidemiological Transition for U.S. Whites vs. U.S. Blacks, and Why it Still Matters.”

Host: Stuart Sweeney

Monday February 24:

Fernando Riosmena (University of Colorado, Sociology)

“Shifts in the Context of Reception and Immigrant Mental and Physical Health Throughout the 21st Century.”

Host: Edward Telles

SPRING – COVID-related shutdown

Broom Center Seminar talks for Spring Quarter 2020 were rescheduled to the next academic year.

A mini-conference on “Population Health of Sexual Minorities,” originally planned for May 2020, will be held in person when it is deemed safe.

Appendix 6

Academic Visitors, 2019/20

Marian Vidal-Fernandez (Lyon University, France)

August 2-31, 2019

Jordi Vidal-Robert (Lyon University, France)

August 2-31, 2019

Gaura Khanna (UC San Diego)

August 2 to December 20, 2019

Magdalena Barros (Mexico)

September 9, 2019 to August 31, 2020

Maria Dardoumpa (PhD student in Madrid Spain)

October 5 to December 15, 2019

Astrid Kunze (Bergen, Norway)

November 6-14, 2019

Deborah Cobb-Clark (University of Sydney)

November 11-20, 2019

Jonathan James (University of Bath)

January 15-31, 2020

Alastair Ball (Birkbeck University, London)

January 17 to March 31, 2020

Barbara Wolfe (University of Wisconsin)

January 2019 to March 2019

Appendix 7

Graduate Student Research and Training (GSRT)

Grants Awarded, 2019/20

Elizabeth Agey

Anthropology

University of Wisconsin-Madison South Asia Summer Language Institute (Nepali Course)

Awarded \$2000

Jason Budge

Sociology

2020 ICPSR, Multilevel/Hierarchical Modeling Using R

Awarded \$1500

Tyler Ferree

Anthropology

Data purchase for research (radiocarbon dates)

Awarded \$2000

Carmen Hove

Anthropology

Equipment costs for data storage of saliva samples

Awarded \$1258

Maria Kogelnik

Economics

Laboratory experiment

Awarded \$2,000

Ronnie Steinitz

Anthropology

Purchasing hormone analysis kits for biomarker panel.

Awarded \$2,000

Ingmar Sturm

Political Science

2020 ICPSR courses 0023 & 0133, online

Awarded \$2000

Maya Szafraniec

Anthropology

ANGUS genomics workshop, part of the Data Intensive Biology Summer Institute at UC Davis

Awarded \$2000

Richard Uhrig

Economics

Purchase access the 2016 Canadian Census, either by 1) traveling to a Canadian university with an access agreement, or by 2) purchasing a usage license from Statistics Canada.

Awarded \$2000

Rujun Yang

Sociology

2020 ICPSR, Multilevel/Hierarchical Modeling Workshop

Awarded \$1400

Note: All recipients are enrolled Ph.D. students at UCSB

Appendix 8

Methods Mini-Courses and Graduate Student Presentations, 2019/20

2019/2020 Mini-Courses

Ethnographic Methods

Amanda Pinheiro, Global Studies
Wednesday, February 26, 12:00-2:00pm
1053 North Hall (Broom Computer Lab)

Introduction to R

This workshop provided a basic introduction to using the R program for statistical analysis.
Sarah Alami, Anthropology
Monday, April 6, 3:00-5:00pm
1053 North Hall (Broom Computer Lab)

Multilevel Modeling

This workshop introduced participants to multilevel modeling (aka hierarchical linear modeling/mixed effects modeling). It will offer both a conceptual overview and hands on application in Stata/R.
Jason Budge, Sociology.
Monday April 20th 1-3pm, in
1053 North Hall (Broom Computer Lab)

2019/2020 Lab Lunches, Graduate Student presentations

Staggered Adoption of Free Public Education in the United States.

Richard Uhrig, Economics
and

To what extent does climate variability explain farmers' planting decisions in central Kenya?

Natasha Krell, Geography
Monday, October 21, 2019
North Hall room 2111 (the Thormahlen Room)

The Multiple Meanings of 'Global South': Building Non-Geographic Units of Analysis in Global Migration Studies.

Amanda Pinheiro, Global Studies
and

Gender Ideology in China: A Latent Class Analysis of Its Multidimensionality and Variation.

Rujun Yang, Sociology
Monday, March 2, 2020
North Hall room 2111 (the Thormahlen Room)

Appendix 9

Interdisciplinary PhD Emphasis in Demography

The departments of Anthropology, Economics, Geography, Sociology, and Global Studies are now offering, in cooperation with the Broom Center, a PhD Emphasis in Demography. The goal of this program is to give doctoral students in core disciplines an opportunity to gain a broader interdisciplinary understanding of concepts and methods in population-related research, beyond the resources available in their home departments. Participation in the Demography Emphasis is independent of the doctoral curriculum and degree requirements established by a student's home department. Upon completion of the requirements, the student will receive a Demography Emphasis certificate when their disciplinary PhD is awarded.

Rationale:

Demography is an interdisciplinary field in the social sciences that focuses on the study of human populations. Increasingly broad in scope, demography now incorporates research on population health, family structure and gender relations, and human-environment and hormone-behavior interactions, as well as the traditional topics of fertility, mortality, and migration. Methodologies developed in one field are crossing disciplinary boundaries as well, with spatial techniques, the collection and analysis of biomarkers, econometric methods, field and laboratory experiments, and qualitative methods such as structured interviewing becoming broadly used across the demographic sciences. Expertise in demography is highly valued in academic and policy environments as a rigorously empirical and multidisciplinary science. A PhD Emphasis in Demography will provide graduate students with both core training in demography and opportunities to gain access to methodological expertise in other departments and to interact with faculty in fields other than their own.

Requirements (in addition to departmental PhD requirements):

Requirements (in addition to departmental PhD requirements):

- 1. Core course in demography.** Each student will be required to take GEOG 254: Population Geography, usually during their first year in the program. This course will focus on the analysis of human population dynamics through fertility, mortality, and migration. The core course will usually be offered during winter quarter.
- 2. Population studies courses.** Each student must complete three demography-related courses, at least one of which must be outside the student's own discipline. A list of currently-eligible courses in the four departments appears below.
- 3. Regular attendance at the Broom Center Seminar.** Regular attendance at the biweekly Broom Center seminar for two years (defined as attending at least 80% of all regular seminars) will be required for students enrolled in the Demography Emphasis.
- 4. Demography seminar/reading group.** All students in the Emphasis must attend a one-quarter reading group (ECON 290DM), usually in spring of their first year in the program, that focuses on reading and discussing key research in demography across the participating disciplines.

5. Broom graduate student seminar presentation. Each student will be expected to present their research in the Broom Center's "lab lunch" informal seminar for graduate students.

6. Dissertation topic. Completed dissertations that qualify for the Emphasis must consist of (or include, in the case of multi-project dissertations) research with a strong focus in demography, and the committee must include least one Emphasis core faculty member.

How to Apply for Admission to the Demography Emphasis Program

Students enrolled in the PhD programs in the departments of Anthropology, Economics, Geography, and Sociology are eligible to apply for enrollment in the Demography Emphasis. As a rule, applications will be accepted each spring for admission the following fall. Applications should be emailed to the Emphasis director, Shelly Lundberg (slundberg@ucsb.edu) and will consist of a letter outlining the student's proposed plan of study and dissertation research. In general, students will apply during their first or second year of study at UCSB and begin the program during the subsequent fall quarter. If the student has an advisor, a letter of support should accompany the application.

Eligible population courses:

- Anthropology:** ANTH 209 Applying Evolutionary Anthropology (Lawson)
 ANTH 245. Anthropological Demography and Life History (Gurven)
 ANTH 253. Human Biology Laboratory Methods (Blackwell)
 ANTH 256. Modeling Social Behavior (Gurven)
 ANTH 257. Human Behavioral Ecology Theory and Method (Gurven)
 ANTH 276. Culture Contact and Interaction (Smith)
- Geography:** GEOG 241A-C. Population Geography (Lopez-Carr, Sweeney)
 GEOG 288SC. Social and Environmental Disparities in Health (Cassels)
- Sociology:** SOC 226. International Immigration (Telles)
 SOC 234. Social Inequalities (Charles)
 SOC 245A. Seminar on Gender (Thébaud)
 SOC 246. Seminar on the Life Course (Bielby)
 SOC 248MA. Social Network Analysis (Friedkin)
 SOC 272. Race, Crime, and Punishment (Sutton, Rios)
- Economics:** Labor Economics sequence: ECON 250A-C (Kuhn, Bedard, Royer)
 ECON 250D Population Economics (Lundberg)
 [Note: This course has no economics prerequisites]