

broom center for demography

University of California, Santa Barbara



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

Annual Report 2023

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2023 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 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, graduate student commons, and a computer lab. This report describes the Center's activities during its 12th year of operation, from July 1, 2022 through June 30, 2023.

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 textbooks in sociology, *Sociology: A Text with Adapted Readings*, 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.

Professor Susan Cassels (Geography) currently directs the Broom Center. Mike Gurven is the Center's Associate Director, Shelly Lundberg is the Leonard Broom Professor of Demography, and Trea DePrima is the Program Administrator. Geography graduate student Sophia Arabadjis served as Manager of the Social Demography Lab during the 2022-23 academic year. The 2022-23 Advisory Board consisted of Maria Charles (Sociology), Michael Gurven (Anthropology), Susan Cassels (Geography), Shelly Lundberg (Economics), Heather Royer (Economics), and Erika Arenas (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.

The Broom Center currently consists of 35 faculty and postdoctoral *Research Associates* and 60 *Graduate Associates* spanning nine disciplines (Anthropology; Asian American Studies; Bren School of Environmental Science & Management; Economics; Geography; Global Studies; Political Science; Psychology; and Sociology). The number of graduate associates has been increasing, up from 51 last year. We have also welcomed two new Broom Center Research Associates, Professor Waverly Duck (Sociology) and Professor Douglas Kennett (Anthropology).

Broom Research and Graduate Associates spent an active research year in 2022/23, together producing more than 105 peer-reviewed journal articles, book chapters, books, and other items.¹ Active research grants totaled more than \$35 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. These are listed in **Appendix 3**. A few highlights include Erika Arenas earning National Researcher Candidate Recognition by the Mexican National Researchers System. Additionally, Susan Cassels joined the editorial board for the journal *Demography*, as a Deputy Editor. Our researchers continue to serve on dozens of editorial and advisory committees as well.

Research by Broom Center Research and Graduate Associates received significant media attention in 2022-23. **Appendix 4** lists some examples. Biodemography Area Director Michael Gurven received quite a bit of press coverage for his *PNAS* paper on the evolutionary importance of elder contributors, including in *Nautilus*, *Wired*, and *Popular Mechanics*. The UCSB Current also picked up on a number of Gurven's research, including articles on Alzheimer's' disease and fertility, fat stores and brain volume, and natural selection associated with immunity and metabolism. Susan Cassels and Sean Reid's research on geographic mobility and sexual health among Latino migrants was summarized by *aidsmap*, a non-profit organization aimed to share information about HIV & AIDS. Shelly Lundberg's research on women's role in economics reached media and policy outlets as well.

The Broom Center hosted another successful [Seminar Series](#) during the 2022-23 academic year. These seminars took place every other Monday afternoon in North Hall from 1:00 – 2:15. The seminars were followed by dedicated time for speakers to meet with graduate student associates. The series featured research talks by distinguished speakers from UCSB and around the state, country, and world. This last year's lineup included Aashish Mehta (UCSB, Global Studies) & Zachary Bleemer (Yale, Economics), Amber Wutich (Arizona State, Human Evolution and Social Change), Waverly Duck (UCSB, Sociology) & Andrea Richardson (Rand), Marianne Page (UC Davis, Economics), Susan Alberts (Duke, Biology and Evolutionary Anthropology), René Flores (University of Chicago, Sociology), Emily G. Jacobs (UCSB, Psychological and Brain Sciences), Christin L. Munsch (University of Connecticut, Sociology), Erin Lentz (University of Texas, Austin, Public Affairs), Caitlin Meyers (Middlebury, Economics), Ann Owens (USC, Sociology), Annie Ro (UC Irvine, Public Health), Noli Brazil (UC Davis, Community & Regional Development), Mahasin Muhajid (UC Berkeley, Epidemiology). **Appendix 5** provides more information on talks and speakers.

In addition to our seminar series, we also hosted a "Grand Re-Opening" of our demography lab and student presentations. About 30 Broom faculty and graduate associates joined us for lunch and a lab tour. Broom Graduate Associates also presented in-progress research and received feedback through *Graduate Lab Lunches*. Three Broom graduate associates presented their research: Nicoline Josephine Bach, Amelia Pludow, and Sophia Arabadjis.

¹ The count of publications in Appendix 1 includes all items that were published in 2022 or 2023, 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.

The Broom Center sponsored a Post Pandemic Population Challenges: A Panel of Population Center Directors on June 2, 2023 (see **Appendix 6** for the description and program). The aim of this panel was to amass a number of experts to visit us at the Broom Center for Demography at UCSB, to talk about the state of population research, the future of population research, and to discuss ways that a small, non-NIH funded population research center like ours can contribute. We had an advisory board meeting with the panelists, a networking lunch with a number of graduate students associates, and a fruitful panel and brainstorming session in the afternoon. About 30 Broom center faculty and graduate associates attended. The visit resulted in a number of exciting proposals for supporting and expanding our agenda at the Broom center. The event also acted as a networking and professional development opportunity for our graduate students, as we had a number of conversations about what it means to be a demographer, where the field is heading, and how to position themselves for the job market.

The Broom Center awarded its tenth set of *Graduate Student Research and Travel (GSRT) grants* in April 2023. 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, 4 students received a total of \$7,800.00. Five students whose papers were accepted and presented were also funded to attend the 2023 PAA (Population Association of America) conference for a total of \$2500. **Appendix 7** provides a complete list of the Center's 2022-23 awards. Lastly, UCSB Broom associated participated in the first annual All-UC Demography conference at UC Irvine. Three faculty associates and five graduate associates attended this conference, with \$750 supporting student travel.

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, Sophia Arabadjis (Geography). The Broom computer lab continued to be improved and has a collaborative workspace, a large wall-mounted video display for presentations, two laptop-docking stations, two computer workstations, and a common room for socialization and collaboration.

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.

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 dozen students from four departments are participating in the program, and three have officially graduated with an emphasis. An overview of the PhD Emphasis and its requirements can be found in **Appendix 8**.

We are proud to report that several Broom Graduate Associates finished their degrees during the 2022/23 academic year and have moved on to new positions in academia, government, and beyond.

Recent graduates include Virginia Leavell (PhD 2022), an Assistant Professor of Organizational Theory and Information Systems at Cambridge University Judge Business School. Tiffany Chow (PhD 2023) will start a two-year postdoctoral fellowship this summer with the VMware Women's Leadership Innovation Lab and Stanford Impact Labs at Stanford University. Others include Matthew Fitzgerald, now at the Department of Economics Intensity Consulting, Molly Schwartz, an Industry Economist at Federal Communications Commission, and Alec McQuilkin, at the U.S. Government Accountability Office.

Research and education at the Broom Center are 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 Demography

The Broom Center's Family Demography area is directed by Shelly Lundberg, who is also the Broom Professor of Demography. In total, 12 Research Associates and 18 Graduate Associates from Sociology, Economics, Anthropology, Political Science, and Geography conduct research and publish within this theme. There are strong research connections across research areas at the Broom Center, with work in Family Demography also contributing to knowledge in the areas of Sex and Gender, Biodemography and Evolution, Education and Immigration, Race, and Ethnicity.

Broom Research Associate David Lawson, Graduate Associate Sarah Alami and coauthor O.D. Somefun published "Gendered conflict in the human family" in a special issue of *Evolutionary Human Sciences*. The authors advocate for three synergistic research priorities in the study of fitness-relevant conflicts between women and men: prioritizing issues of diversity to stimulate new connections and perspectives, advancing recognition that human sex/gender roles are both subject to natural selection and culturally determined, thus countering tendencies to essentialize differences between women and men and directing attention to the role of cultural practices, normative sanctions and social learning in structuring conflict battlegrounds, and drawing attention to contemporary policy concerns, including the wellbeing consequences of marriage practices and the gendered implications of market integration.

"Keeping kin close? Geographies of family networks by race and income, 1981–2017" was published by Broom Research Associate Elizabeth Ackert and coauthors Amy Spring, Sarah Roche, Dionne Parris, Kyle Crowder, and Nicole Kravitz-Wirtz in the *Journal of Marriage and Family*. This study examined changes in geographic proximity to family members among race and income groups in the United States from 1981 to 2017, finding that high-income White respondents showed the greatest increases in distance from kin over time, whereas proximity to kin among other race-income groups was relatively stable. Close geographic proximity to family members can facilitate mutual support and strengthen family bonds, but institutional sources of support, advancing technology and changing labor market opportunities might cause households to live farther away from family. The results suggest that proximate kin have become less central in the lives of high-income White households over time, whereas close proximity to kin has been the norm over time for other racial and income groups.

Broom Research Associate Elizabeth Ackert and coauthor Jocelyn Wikle published "Child Citizenship Status in Immigrant Families and Differential Parental Time Investments in Siblings" in the journal *Social Sciences*. This study describes how parental time investments in children in immigrant families vary according to children's citizenship status. In immigrant households, a child's citizenship status may shape parental time allocations because of how this status relates to a child's prospects for socioeconomic mobility. They find that parents spend more time with children who have citizenship, but this result is primarily explained by a child's age and birth order, providing a basis for further inquiry on

how legal contexts shaping socioeconomic mobility may influence micro-level family processes in immigrant households.

The first *Handbook of the Economics of the Family*, part of the Elsevier Handbooks in Economics series, was published in 2023. It was coedited and with a preface by Broom Research Associate [Shelly Lundberg](#) and Alessandra Voena and includes comprehensive surveys of the current state of the economics literature in the field, prepared by leading scholars, with a particular emphasis on the most recent developments in each area. Topics covered include culture and the family, mating markets, household decisions and intra-household distributions, the economics of fertility, labor markets and policy, intergenerational mobility, macro approaches to the family, and institutional perspectives on the family.

Research Highlights: Biodemography and Evolution

The Broom Center's Biodemography area is directed by Michael Gurven. In its twelfth year, this area hosts ten research associates and thirteen graduate student associates, spanning anthropology, geography, economics and sociology 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.

Area publications demonstrate the value of an evolutionary approach on a variety of themes that span across the social and natural sciences. Twenty-nine publications from Sept 1, 2022-Aug 31, 2023 appear in diverse, prestigious journals, such as *PNAS*, *Proceedings of the Royal Society B*, *Evolution Medicine & Public Health*, and *PLoS Biology*. Below I highlight some of the notable findings published by Broom faculty and graduate students in the past year.

New Broom faculty associate [Nicole Thompson González](#) has been interested in health disparities, especially based on differences in social aspects of aging. She was part of an NIH/NIA Research Centers Collaborative Network panel on Aging, Race, and Health Disparities. She has also started a working group among primatologists and anthropologists taking a broader primate-lens on social isolation and loneliness (Socioecology of Social Aging, SOSA). In a recent synthesis (*Neuroscience & Biobehavioral Reviews*), [Thompson González](#) and colleagues lays out a research agenda to test the notion that social selectivity, widely observed in humans, is an adaptive strategy common to social animals, to balance the costs and benefits of navigating social environments in the face of age-related functional decline. [Thompson González](#) and colleagues have also explored the social strategizing landscape in chimpanzees, testing the notion that weak ties can support cooperative coalition formation (*Phil Trans Roy Soc B*). They used a decade of data on wild female chimpanzee social relationships and behavior to show that cooperative coalitions among female chimpanzees depended only on social tolerance, rather than requiring strong bonds.

Broom faculty associate [Amy Boddy](#) studies the evolutionary and ecological components of human health, with a focus on cancer. Another important focus of [Boddy's](#) work is reproduction and maternal health. Building on work funded by a recent \$5.4 million grant from the John Templeton Foundation, to investigate the transfer of cells from mother and baby during pregnancy ("We All Are Multitudes: The Microchimerism, Human Health and Evolution Project"), [Boddy](#) and colleagues lay out their theoretical framework, presenting the myriad mechanisms linking microchimerism and maternal reproductive health (*J. Reproductive Immunology*). A first empirical paper from this project taking a cross-species perspective, showed that species with chimerism are more prone to tumor invasiveness,

but not malignancy or neoplasia (*PLoS ONE*). Currently, Boddy is working with Cottage Health Research Institute to understand the variation in microchimerism and immune function in pregnant women.

Gurven's research group generated new finding on aging and health, supported by his ongoing \$15 million NIH/NIA grant (2021-2025; "Testing Hypothesized Pathways Linking Infection, Physical Activity, ApoE Genotype, And Biological Sex To Low Dementia Prevalence And Reduced Brain Atrophy In Two Native American Populations"). In a series of papers, they showed how the harmful APO-ε4 allele (increasing dementia and heart disease risk in many populations) may still exist today; it provides benefits in certain ecological contexts – particularly a high-infection, high-fertility context typical of our preindustrial past, conditions similar to those found among Tsimane' forager-farmers of tropical Bolivia. In *Science Advances*, they show that the E4 allele confers higher fertility, via earlier age at first birth and shorter interbirth intervals. In *eLife*, they found that APOE-ε4 carriers had lower levels of inflammation when uninfected, but maintained higher blood lipid levels that buffer costs of immune activation during infection. Building on a new collaboration with geneticist Amanda Lea (Vanderbilt), they also showed that Tsimane and Mosesten genomes have undergone natural selection for traits associated with immunity and metabolism (*PNAS*). The work adds context on the evolution and specialization of humans around the world, moving beyond a few well-known cases, like lactose tolerance and malaria resistance. Gurven's group also continued to publish on other aspects of aging. In *Proc Roy Soc B*, They showed that chronic low back pain is not a 'mismatch disease' limited to post-industrialized populations. Instead, reported pain prevalence is two to eight times higher for Tsimane than Western populations. Habitual subsistence labor is the main reported cause of pain throughout life for both sexes, and pain is more common with age, especially in the back, and for those with other musculoskeletal problems.

Our graduate associates have also been productive. Elizabeth Agey studied how limited mate choice might affect fertility and other biological fitness outcomes, through the lens of arranged marriages. She published in *Evolutionary Human Sciences* a qualitative study of Nepalese families showing that arranged and non-arranged marriages are not strictly dichotomous categories, and that parents and offspring, especially sons, are largely aligned in in-law/mate preferences. Sarah Alami and colleagues wrote a paper in a theme issue of *Phil Trans Roy Soc B* (on Cooperation among women: evolutionary and cross-cultural perspectives) exploring the structure of female social networks in patrilocal settings using THLHP data on residence patterns and time budgets. They find that women living with their kin are less likely to be alone, and more likely to receive help in childcare, relative to those living with in-laws. Lastly, Thomas Kraft, Sarah Alami and Gurven published a detailed stochastic network metapopulation model of COVID-19 spread in indigenous villages of the remote Amazon (*PLoS Biology*). Their model, parameterized with high-resolution empirical data on population structure, mobility, and contact networks, was remarkably accurate in terms of the actual population-wide and village-wide cumulative incidence, and was useful for showing that the common tactic for COVID prevention of 'voluntary collective isolation' was doomed to fail (as it did).

These and other publications were covered in a variety of media outlets, including *Washington Post*, *Wired*, *Nautilus*, *ABC News*, and *Science*.

Research Highlights: Population Health and Environment

Professor Susan Cassels (Geography) directs the Center's Population Health and Environment research area, and is the current Director of the Broom Center. This area has 26 graduate student associates, 2 postdoctoral researchers, and 12 faculty research affiliates spanning multiple disciplines. Recent research in this area includes studies of geo-social determinants of health, spatial demography, and population-environment dynamics. Faculty and graduate associates affiliated with the Population Health and Environment area have used innovative techniques to advance our understanding of, and

solutions to, population health inequities locally and globally. An overview of our affiliates' recent scholarship is described below.

Many of our research affiliates contribute to the literature on geographic and social determinants of health. One common theme found in the Center's research is the focus on examining spatial health impacts of policies or environmental exposures. Broom faculty associate [Stuart Sweeney](#) and his colleagues examined spatial patterns of childhood obesity in New York City, and found that access to water jets (i.e., chilled, filtered water stations in cafeterias) was associated with a leftward shift in the BMI distribution. Broom graduate associate [Sophia Arabadjis](#) examined the impact of wildfire evacuation orders on cardiovascular events in Santa Barbara County, using an explicit spatial exposure approach. Although the results were not statistically significant, individuals who were exposed to an evacuation order had increased risk of cardiac events. Broom center associate [Erika Arenas](#) is an investigator for the Mexican Family Life Survey (MxFLS), a prospective study of the Mexican population since 2002. She linked MxFLS data with administrative records to examine the impact of health insurance on adult mortality. *Seguro Popular* is a public health intervention targeted towards workers in informal sector employment. They found that *Seguro Popular* decreased older age mortality, and had larger effects on households that were not already linked to other public health interventions.

Methods in spatial demography is a strength of our Broom center associates, and often these methods are applied to questions of population health and environment. Broom associate [John Weeks](#) published an article outlining the importance of Arthur Getis's work to spatial demography. Weeks first outlines how place, space, and scale are key spatial elements of demography, and then uses Getis's contributions to outline how to measure their impact. [Alan Murray's](#) research is also an example of how demography is inherently a spatial data science. A number of his publications in this last year use spatial optimization methods to answer questions in population health and environment. With Broom graduate associate [Amelia Pludow](#), they explored forest treatment planning for wildfire risk mitigation and demonstrated that most solutions fail to represent the full spectrum of tradeoffs. Murray also published work that examined physical distancing solutions for pandemic planning at a micro-scale, using GIS and spatial optimization methods. [Susan Cassels](#), [Sean Reid](#), and [Alan Murray](#) published a study where they described innovative methods to capture spatial data on sensitive sexual and substance use behavior among sexual minority men. This is the beginning of a collaboration to examine activity spaces and sexual health, with the aim to inform place-based policies to reduce health disparities among racial and sexual minority populations.

Research on population, health, and environment (PHE) dynamics were prominent among our affiliates this last year. Broom center graduate associate [Yifan He](#) and colleagues published a systematic review on remittances and land change, a very important driver of population-environment dynamics. [Jimena Rico-Straffon](#), another graduate associate, used spatially explicit methods to suggest that logging concessions did not raise forest loss. [David Lopez-Carr](#) used remote sensing and GIS to calculate human-environment interactions and water use in the Mexicali Valley and Colorado River Basin. [David Lopez-Carr](#), with a multidisciplinary team, examined the role of agricultural development and fertilizer use with the burden of the parasitic disease schistosomiasis in West Africa. First, they demonstrated that insecticides commonly used in food production is toxic to biocontrol agents (e.g., prawns), and usage led to higher incidence of schistosomiasis. Next, they published a cluster randomized controlled trial offering a win-win solution in which submerged vegetation removal from water was associated with reduced burden of schistosomiasis. This solution yielded economic benefits as well. Again, this work like many others outlines above, used remote sensing technology and GIS to support their research.

Many of our Broom affiliates conduct excellent interdisciplinary work on population health and environment that overlapped with biodemography and evolution, family demography, sex and gender,

and immigration, race and ethnicity. Topics include the geography of kin networks ([Liz Ackert](#)), population health for sexual and gender minorities ([Susan Cassels](#)), reproductive and maternal health ([Amy Boddy](#)), migration and health ([Erika Arenas](#)) and aging ([Mike Gurven](#)). This additional work is detailed in their respective sections.

Research Highlights: Sex and Gender

Faculty and graduate-student affiliates of the Broom Center's Sex and Gender Research Area use diverse methodological approaches to explore inequalities and societal beliefs related to gender and sexuality in the United States and around the world. Topics range from gendered identities, attitudes, interactions, and institutions to the modeling of local and global variability in employment, education, family structures, and ideology. Coordinated by Sociology Professor Maria Charles, this thematic area has grown to include 23 graduate-student and 11 faculty affiliates from multiple disciplines, including Anthropology, Economics, Geography, Marine Science, Political Science, Psychology, and Sociology.

Some notable examples of Sex and Gender affiliates' newest scholarship are described below.

Sex and Gender area researchers have published pathbreaking work on the health and welfare of sexual and gender minorities, with particular attention to spatial differences. In one study, published in *Social Science and Medicine*, [Susan Cassels](#), [Sean Reid](#) and coauthors interrogate effects of geographic mobility on sexual risk and health behaviors of Latinx migrant men who have sex with men. Based on in-depth interviews in San Bernardino County, California, they identify both interpersonal and contextual influences on sexual risk behaviors, including family and peer support, gender norms in the Latin American home countries, and local health care availability. Another article by Broom graduate associate [Jason Budge](#) uses data from the American National Election Studies to explore variability across U.S. states in acceptance of gay men and lesbians between 1984 and 2016. Results, published in *The Sociological Quarterly*, show that larger shares of college graduates in a state are associated with more accepting attitudes, including among those who do not have a college degree. People are also more likely to identify as lesbian, gay or bisexual (LGB) in states with more college graduates, which in turn increases the likelihood of knowing someone who is LGB and espousing more accepting views.

Members of the Sex and Gender research group also continue to produce innovative empirical and theoretical work related to gender discrimination. One high-profile study was published this year in *American Economic Review* by [Peter Kuhn](#) and Kailing Shen. In "What Happens When Employers Can No Longer Discriminate in Job Ads?", Kuhn and Shen document increased gender integration of employer call-backs immediately following the elimination of gender-specific advertising from a Chinese job board. This occurred both because application patterns were less gendered once ads no longer called specifically for men or women applicants, and because gender-atypical applications were treated relatively well by employers. The job titles that integrated significantly were not the most gendered ones, tended to be lower wage, and were not typically in high-status occupations historically reserved for men. The relatively positive employer response to the degendering of job ads suggests, nonetheless, that employer gender preferences are in many cases relatively weak and may be driven by unconscious stereotypes that associate different jobs and tasks with different genders. This conclusion supports an argument made by [Shelly Lundberg](#) in "Gender Economics and the Meaning of Discrimination," published in *Research in Labor Economics 50th Celebratory Volume*. Lundberg argues that *discrimination* and *preferences* are typically framed as opposing explanations for gender-differentiated outcomes, but that these are in fact co-constitutive concepts, since preferences are influenced by cultural and social forces that are in turn shaped by gender discrimination and gender essentialist stereotypes.

Another series of articles explores variability in gender beliefs in non-Western contexts where relatively little macro-comparative gender research has been conducted so far. In "Complicating Patriarchy," published in *Gender & Society*, [Maria Charles](#), [Rujun Yang](#) and coauthors use original online survey data on more than 6,000 Muslim Facebook users to explore attitudes related to two regionally salient gender principles (women's chastity and marital patriarchy) across six Middle Eastern, North African, and South Asian societies. In another recent paper, [Jason Budge](#), [Maria Charles](#) and coauthors use original survey data to compare the gendering of STEM fields between high schools serving Jewish and Palestinian communities in Israel (*Technology in Society*). Findings from both projects support a multidimensional framework for understanding variability in gender relations, challenging the often-implicit assumption that gender attitudes advance along a single traditional-to-egalitarian continuum as societies modernize.

Research Highlights: Education and Health

The Broom Center's Education and Health Area Director is Heather Royer. Dr. Royer is 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 47 affiliates from a diversity of fields including Anthropology, Economics, Geography, Global Studies, Psychological and Brain Sciences, and Sociology. For the 2022-2023 period, Education and Health researchers produced 11 publications in journals such as *Economic Journal*, *Economics Letters*, *European Economic Review*, *European Journal of Epidemiology*, *Journal of Political Economy*, *Journal of Risk and Uncertainty*, *PLOS One*, *Review of Economics & Statistics*, and *Review of Economic Studies*. Examples of these studies are below.

Affiliate [Amy Boddy](#) studies the progress in the study of the biology of cancer. In an article in *European Journal of Epidemiology*, Dr. Boddy discusses how advancement towards a better understanding of the biological underpinnings of cancer might be made. Despite much medical progress in the treatment of cancer, the biological mechanisms are largely unknown. She argues that embodying theory from evolutionary biology and ecology would help unify cancer research.

People often express plans to exercise but do not follow through with their intentions. Work in psychology and behavioral economics tries to address this self-control failure by testing methods of encouraging exercise. One seemingly promising intervention is the use of commitment contracts. Under an exercise commitment contract, an individual gives up some amount of money and sets an exercise goal. If the individual meets the goal, the forfeited money is given back to the individual. Affiliate [Heather Royer](#) and co-authors study exercise commitment contracts in an article published in the *Review of Economic Studies*. Their key finding is that the choice to use a commitment contract is not well-correlated with measures of self-control, suggesting that the contracts are not an effective policy tool for the intended target population (i.e., those facing self-control issues).

Affiliate [Gary Charness](#) and co-authors study how information can affect children's eating decisions in an article published in the *European Economic Review*. In an experiment of Spanish schoolchildren, they contrast four different treatments – a baseline treatment with no extra information conveyed, a nutritionist treatment with a nutritionist providing information about the nutritional content of food, a grades treatment with foods graded and labeled by their nutritional content, a parents treatment that combined the grades treatment with information disseminated to parents about their children's eating habits. The effectiveness of the parents treatment greatly outperforms all of the other treatments and has lasting effects on children's healthy food choices.

Research Highlights: Immigration, Race and Ethnicity

Broom's Race, Ethnicity, and Immigration Research Area was directed during the 2022-23 academic year by Assistant Professor of Sociology Erika Arenas. Faculty and graduate-student affiliates of the Broom Center's Race, Ethnicity, and Immigration Research Area use diverse methodological approaches to examine inequality based on race, ethnicity, national origin, skin color, and/or immigration status, and its interactions with gender, class, geographical context, and other structural factors. Research on this Area include the analysis of different populations worldwide. The Race, Ethnicity, and Immigration Research Area includes 14 research associates and 26 graduate student associates from Anthropology, Economics, Geography, Political Science, Global Studies, Asian American Studies, the School of Environmental Science and Management, and Sociology. For the 2022-2023 period, our associates won awards, grants and produced journal articles that were published in *the Journal of Marriage and Family*, *Social Sciences*, *Social Problems*, *Social Science and Medicine*, *Technology in Society*, and *Sex Roles*.

During this period, we highlight the contributions of Broom Associate Elizabeth Ackert to the Immigration Research Area, who published two articles during the academic year 2022-2023. In the first article, Dr. Ackert and co-authors examined how changes in geographic proximity to family members differed among race and income groups in the United States. Using longitudinal data from the Panel Study of Income Dynamics, covering a period between 1981 to 2017, they found that proximity to kin is less central to the lives of high-income Whites compared to other racial and income groups. This paper was published in the *Journal of Marriage and Family*, the leading journal in Family Studies. In a second article, Dr. Ackert and Dr. Jocelyn Wickle used data from the American Time Use Survey from 2003–2019, and investigated how parental time investments in children in immigrant families varied according to children's citizenship status. Their results weakly suggest that parents spend more time with children who have citizenship. This paper was published in the special issue "*Rethinking the Mobilities of Migrant Children and Youth Across the Americas*" published by the journal *Social Sciences*.

Broom Associate Susan Cassels and coauthors investigated how internal and international migration over the life course was linked to sexual risk and health behaviors among Latinx migrant men who have sex with men (MSM). Based on 16 semi-structured interviews, they found that early life exposures (in their country of origin), as well as, the context of reception are among the factors that explain sexual health and risk behaviors. This paper was published in 2023 in the journal of *Social Science and Medicine*.

In the research area of Race and Ethnicity, we highlight the contribution of Broom Associate Yader Lanuza, who co-author an article with Nick Petersen and Marisa Omori, where they examined colorism among Hispanics across different stages of the criminal justice process. By linking official court records to mugshot photographs of a sample of 6,523 adults arrested in Miami-Dade County between 2012 and 2015, they found strong evidence of colorism in the conviction and incarceration stages, among Hispanics. The article was published in the journal of *Social Problems*.

Finally, using original survey data collected in Israel, Broom Associate Maria Charles coauthored two articles that examined the gender gap in STEM using an intersectional approach by comparing Jewish versus Palestinian communities. They found strong evidence showing that (1) social-psychological drivers of STEM aspirations varied across ethnic groups, and that (2) gender-integration of STEM fields was more likely to happen in Palestinian communities. These two articles were published in 2023 in the journals of *Technology in Society*, and in *Sex Roles*.

Appendices

1. Publications
2. Active Funding
3. Honors and Recognition
4. Media Attention and Public Policy Contributions
5. Seminar Schedule
6. Workshops
7. Graduate Research and Training Grants (GRTG) Awarded
8. Interdisciplinary PhD Emphasis in Demography

Appendix 1

Publications, 2022 and 2023²

Elizabeth Ackert

Amy Spring, Elizabeth Ackert, Sarah Roche, Dionne Parris, Kyle Crowder, Nicole Kravitz-Wirtz. 2023. Keeping Kin Close? Geographies of Family Networks by Race and Income, 1981-2017. *Journal of Marriage and Family* 85(4):962-986. <https://doi.org/10.1111/jomf.12911>

Wikle, Jocelyn, and Ackert, Elizabeth. 2022. Child Citizenship Status in Immigrant Families and Differential Parental Time Investments in Siblings. *Social Sciences* (Special Issue: "Rethinking the Mobilities of Migrant Children and Youth Across the Americas"). 11(11):507. <https://doi.org/10.3390/socsci11110507>

Akert, Elizabeth, and Jocelyn Wikle. 2022. Familism among Latino/a Adolescents: Evidence from Time-Use Data. *Journal of Marriage and Family*. 84(3):879-899. <http://doi.org/10.1111/jomf.12809>

Sophia Arabadjis

Arabadjis, S., Sweeney, S., Kenner, C., Tedesco, D. 2023 "Wildfire, evacuation, and cardiovascular events: A spatial exposure approach." *Journal of Applied Geography*: 159 (103033).

Arabadjis, S., Sweeney, S. 2022. New Methods in Time Use. In *JSM Proceedings*, Business and Economic Statistics Session. Washington D.C. American Statistical Association.

Sweeney, S., and Arabadjis, S. "Chapter 15: Spatial point patterns". In the Handbook of Spatial Analysis in the Social Sciences. Cheltenham, UK: Edward Elgar Publishing. November 15, 2022.

Erica Arenas

Arenas, Erika, Susan W. Parker, Luis Rubalcava, Graciela Teruel. 2023. Impact of health insurance on adult mortality in rural areas: Evidence of Seguro Popular in Mexico using panel data. *World Development Perspectives*, 30, 100501

Arenas, Erika, Graciela Teruel, and Pablo Gaitán-Rossi. 2022. Time and Gender Measurement Invariance in the Modified Calderon Depression Scale. *Health and Quality of Life Outcomes*, 20, 100. <https://doi.org/10.1186/s12955-022-02007-8>

² To facilitate comparability of research output over time, this appendix reports all publications by Center Associates in 2022 and 2023, plus all accepted and forthcoming items. Items with multiple Broom authors are listed more than once in this report.

Ronnie Bailey-Steinitz

Brown, M., Steinitz, R., & Emery Thompson, M. (2022). Wins and losses in intergroup conflicts reflect energy balance in red-tailed monkeys. *Philosophical Transactions of the Royal Society B*, 377(1851), 20210152.

Amy Boddy

Kapsetaki SE, Fortunato A, Compton Z, Rupp SM, Nour Z, Riggs-Davis S, Stephenson D, Duke EG, Boddy AM, Harrison T M, Maley CC, Aktipis A. 2023. Is chimerism associated with cancer across the tree of life? *PLoS One* 18.6(e0287901).

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Budge, Jason, Maria Charles, Yariv Feniger, and Halleli Pinson. 2023. The Gendering of Tech Selves: Aspirations for Computing Jobs among Jewish and Arab/Palestinian Adolescents in Israel. *Technology in Society* 73:102245.

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Susan Cassels

Cassels S, Cerezo A, Reid SC, Rivera DB, Loustalot C, Meltzer D. 2023. Geographic Mobility and its Impact on Sexual Health and Ongoing HIV Transmission among Migrant Latinx Men Who have Sex with Men. *Social Science & Medicine* 320: 115635

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Gary Charness. Forthcoming. Exercise Improves Academic Performance. (with Alexander Cappelen, Mathias Ekström, Uri Gneezy, and Bertil Tungodden). Forthcoming in *Journal of Political Economy*.

Gary Charness. Forthcoming. Improving Healthy Eating in Children: Experimental Evidence. (with Ramón Cobo-Reyes, Erik Eyster, Gabriel Katz, Ángela Sánchez, and Matthias Sutter). Forthcoming in *European Economic Review*)

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Peter Kuhn

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David Lawson

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Banks J, Sweeney S, Meiring W. 2022 "The Geography of Women's Empowerment in West Africa. *Spatial Demography*. 10(2): 387-412

Heather Royer

Carrera, Mariana, Heather Royer, Mark Stehr, Justin Sydnor, and Dmitry Taubinsky. 2022. Who chooses commitment? Evidence and welfare implications. *The Review of Economic Studies* 89, no. 3 (2022): 1205-1244.

Verta Taylor

Verta Taylor. 2023. Review of "How Social Movements Matter" by David S. Meyer. Cambridge: Polity Press, 2021 in *American Journal of Sociology* 129: 297-299.

Leila J. Rupp, Verta Taylor, and Shaeleya D. Miller. 2022 Pp. 579-90 in. Learning to be Queer: College Women's Sexual Fluidity. Introducing the New Sexuality Studies, 4th edition, edited by Nancy Fischer, Steven Seidman, and Laurel Westbrook. New York: *Routledge*.

John Weeks

John R. Weeks. In Press. The Importance of Arthur Getis to Spatial Demography. *Journal of Geographical Systems*.

John R. Weeks. 2023. The Great Demographic Illusion: Majority, Minority, and the Expanding American Mainstream. *Contemporary Sociology*.

Appendix 2

Active Funding, 2022/2023

Elizabeth Ackert

UCSB Office of Research Early-Stage Seed Grants Award. Facilitating the Integration of U.S. Climate and Human Population Data. (PI). 2022. \$9,976

National Science Foundation (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

UCSB Faculty Career Development Award. U.S. Latinx Destinations, Education, and Health. (PI). 2021-2022. \$5,000

UCSB Research Assistance Program. (PI). 2021-2022. \$8,000

UCSB Early Career Faculty Acceleration Program. (PI). 2021-2022. \$7,000

Sophia Arabadjis

UCSB Graduate Division: Graduate Student Academic Advancement: Scholarly Collaborations. GPS Talks: Geography Professionals and Students. New department speaker series hosted by Geography Outreach and Visibility Committee Arabadjis, S.D. (Founding Organizer / PI) Department of Geography. \$890.80.

Multidisciplinary Research for COVID-19 and its Impacts Grant. NCASE: Network Connectivity Among Students Enrolled. Team lead of graduate student collaborative team. (\$2,000 direct support) (PI)

Department of Geography UC-Santa Barbara. \$6,000.

Erika Arenas

Academic Senate of UCSB. 2023. Travel Grant to present the paper of Color-Status Exchange: Evidence from Mexico Status Exchange at the International Sociological Association Conference, \$1,500

UCSB Division of Social Sciences. 2023. Peer Mentor Award, \$500

UCSB Instructional Development. 2023. RISE Award, \$1,000

Institute of Research for Equitable Development of Iberoamerican University (Instituto de Investigaciones para el Desarrollo con Equidad, Universidad Iberoamericana). 2022. Gender gap in mental health during COVID in Mexico (Co-PI), \$7,800

Ronnie Bailey-Steinitz

National Science Foundation - Doctoral Dissertation Research Improvement Grant. Co-PI; \$31,062
UCSB Graduate Opportunity Fellowship (2021-22) \$42,435

Amy Boddy

John Templeton Foundation: *We All Are Multitudes: the Microchimerism, Human Health and Evolution Project*. \$5,339,697 total. Boddy is Co-leader; \$1,099,188 total to UCSB. 2021-2024.

NIH U54: ACE Pilot Funding. *Of pan-species histology and macroecology: chasing a solution to Peto's paradox across mammals*. Boddy is Co-I. \$12,000 total direct. 2021-2022.

NIH U54: ACE Pilot Funding. *Oncogenic mutational signatures in cancer-like phenotypes in Acropora*. Boddy is Co-I. \$14,680 total direct. 2021-2022.

NIH U54: ACE Pilot Funding. *Molecular evolution of immunity, reproduction and cancer genes in crocodilians*. Boddy is Co-PI. \$13,500 total direct. 2021-2022.

NIH U54: ACE Pilot Funding. *Prevalence of reproductive cancers in nonhuman primates*. Boddy is Co-PI. \$7,350 total direct. 2021-2022.

National Cancer Institute. \$7,500,000 total direct. Co-Leader Project 1.2018-2023.

Susan Cassels

Housing insecurity, place, and social networks among sexual minority men. Academic Senate Faculty Research Grant, UCSB. 7/2023 – 6/2-24. \$7,000

Making space for HIV prevention: substance use among Latinx MSM in LA hotspots
NIH/NIDA 3R21 DA049643-02S1. PI. 7/2021 – 6/2023 (NCE). \$148,692

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.

Maria Charles

Maria Charles, Yariv Feniger and Halleli Pinson, PIs. Binational Science Foundation. 2019-2023. "Why Do More Palestinian than Jewish Girls Study STEM? Assessing Effects of Material Insecurity and Self-expressive Culture on Curricular Paths in Israel." \$171,000.

Olivier Deschenes

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.

Hannah Frogge

UCSB Research Accelerator Grant- \$5,000 to support Winter 2023 field season

Michael Gurven

National Institutes of Health/NIA Grant. R61. UCSB: \$13,420. A New Model System for Assessing the Socio-Environmental Determinants of the Pace of Aging: Leveraging a Long-term Study of Wild Capuchins. (co-I: Gurven; PIs: Amanda Melin, Fernando Campos, Katharine Jack). 2022.

National Institutes of Health/NIA Grant. 2022-2027 (Joint PI: Gurven, Kaplan, Finch, Thomas) \$15,000,000.

Fellow, American Association for the Advancement of Science (AAAS). 2022.

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.

Yifan (Flora) He

Schmidt Family Foundation Research Accelerator Award (\$8,000)

James D. Kline Fund for International Studies (\$5,000)

Michael J. Connell Memorial Fund Research Award. 2022-2024. Bren School of Environmental Science and Management, University of California, Santa Barbara. Assessing socioeconomic and environmental impacts of land use restrictions in Indigenous lands in Brazil. PI. \$15,000.

Environmental Justice Research Fund. 2022. Bren School of Environmental Science and Management, University of California, Santa Barbara. \$1,000.

Individualized Professional Skills Grant. 2022. University of California, Santa Barbara. \$1,000.

Joseph Kilgallen

UCSB Research Accelerator Grant- \$8,000 supporting Summer 2022 data collection for the project. The Cost of Change: The social and reproductive ramifications for men supporting women's empowerment.

European Human Behavior and Evolution Association Conference 2022- Best Speed Talk Award- total 100 Euros

David Lawson

Cultural Evolution Society Transformation Fund - Norm misperception and conformity as barriers to positive change in gender ideology: a mixed methods study in northern Tanzania. \$107,165

National Science Foundation Doctoral Dissertation Research Improvement Grant - The cost of change: The social and reproductive ramifications for men supporting women's empowerment. \$25,175

David Lopez-Carr

UCSB ISBER Collaborative Research Initiative Grant program. "Integrating planetary health into households and communities in the Maya Biosphere Reserve (MBR), Guatemala". 7/1/2022-6/30/2023. \$7,975.

UCSB Senate Faculty Research Grant. Does Women's health, livelihoods, and empowerment lead to forest conservation? A before and after intervention design of households and communities in the Maya Biosphere, Guatemala. PI David Lopez-Carr. 2021-2022. \$8,365

Alan Murray

Yardi Foundation. Wildfire Resilience Initiative. Murray, A., L. Carvalho, C. Jones, D. Roberts, S. Sweeney and M. Moritz. 2023-2026. \$3,700,000.

Yardi Foundation. Wildfire Resilience Initiative. Murray, A., L. Carvalho, C. Jones, D. Roberts and M. Moritz. 2022-2023. \$1,000,000.

National Science Foundation. PREEVENTS Track 2: Understanding Extreme Fire Weather Hazards and Improving Resilience in Coastal Santa Barbara. Carvalho, L., A. Murray, C. Jones, D. Roberts and R. Church. 2017-2022. \$1,508,987.

National Institutes of Health. Activity Spaces for HIV Risk and Prevention Among Diverse Men Who Have Sex with Men in Los Angeles. Cassels, S., A. Murray P. Gorbach and A. Vaughan. 2020-2022. \$401,769.

Sarah Papich

California Policy Lab. 2022 \$6,500 Seed Grant. PI Sarah Papich

Graduate Fellow Grant. 2022. \$10,000. PI Sarah Papich

Sean Reid

Clinical and Community-Based HIV/AIDS Research Training (CCRT) Program Fellow, 2022-2024

Population and Social Data Science Incubator Program, Summer 2022

Jimena Rico-Straffon

Outstanding Undergraduate Teaching Assistant, UCSB Economics. 2023.

UC MEXUS- CONACYT Doctoral Fellowship 2019-2024.

CAF Development Bank of Latin America, Research Grant on Sustainable Development in Latin America and the Caribbean, co-PI, 2022. \$6,000

Appendix 3

Honors and Recognition, 2022/23

Erika Arenas

UCSB Regents' Humanities Faculty Fellowship Award. 2022.

National Researcher Candidate Recognition by the Mexican National Researchers System, 2022-2024

Susan Cassels

Deputy Editor, *Demography*, 2022-2025

Maria Charles

Elected Member, Sociological Research Association (2010-)

Associate Editor, *Science Advances* (open access extension of *Science Magazine*) (2021-present)

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).

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

Fellow, Center for the Study of Poverty and Inequality (Stanford University). (2010- present).

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

2022 Association of American Geographers *Susan Hardwick Excellence in Mentoring Award*

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

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

Elected American Academy of Arts and Sciences, 2021

UCSB Faculty Research Lecturer, 2022

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

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

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).

Brenda Major

Elected Fellow, the American Academy of Arts and Sciences

Elected Fellow, American Association for the Advancement of Science

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

MacArthur Chair (with Jeffrey Stewart) .“A New Eden in Southern California: Promoting Black and Brown Futures in Resilient Communities.” 2021-2026.

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).

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).

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 2022/2023

Liz Ackert

UCSB Current article: <https://www.news.ucsb.edu/2022/020587/art-reflects-life>

BYU News: <https://news.byu.edu/intellect/would-mirabel-from-encanto-be-as-connected-to-her-family-if-she-lived-in-the-us-byu-study-says-yes>

Child & Family Blog: <https://childandfamilyblog.com/latina-teenagers-spend-more-time-with-their-families/>

Amy Boddy

2022: Interviewed by the UCSB Current, [A Planetary Sisterhood](#)

2022: Interviewed by Carrie Arnold, Scientific American, [Insights from Pregnancy Could Help Fight Cancer](#)

2022: Interviewed by the UCSB Current, [The Multitudes Within Us](#)

2022: Interviewed by the UCSB Current, [Animals and the Big C](#)

Maria Charles

"It's Not Only About the Veil: Multifaceted Gender Beliefs in Six Muslim-majority Countries." [Gender & Society Blog](#), January 5, 2023.

Work/interview featured in *STEM Voices: The Experiences of Women and Minorities in Science, Technology, Engineering, and Math Occupations* by Anne Kim. Washington DC

Work/interview featured in "[How Some Countries are Bucking the Tech Gender Gap](#)," *Geneva Solutions* News Platform, Geneva Switzerland

Susie Cassels

Interviewed by Trisalyn Nelson for podcast "People + Humans": <https://www.buzzsprout.com/1897445/9952478-sex-and-geography>

AIDSmap article reviewing Cassels et al *Social Science & Medicine* publication: ["Geographic mobility impacts vulnerability to HIV among gay and bisexual Latino migrants to the US.](#)

Raziel Davison

UCSB Current press release for our most recent publication (Davison & Gurven 2022, *PNAS*)
[The Importance of Elders | The UCSB Current](#)

Michael Gurven**Media coverage:**

Press coverage of *PNAS* paper on evolutionary importance of elder contributions: *Nautilus* ([supporting document](#))

Press coverage of *Science* paper on daily water turnover: *Washington Post* ([supporting link](#))

Press coverage of *PNAS* paper on cognition and the ‘embarrassment of riches’: *Wired* ([supporting link](#));
Popular Mechanics ([supporting link](#))

Research covered in Association for Psychological Science (APS) presidential column ([supporting link](#))

Press coverage of *Science Advances* paper on ApoE4 allele in Science ([supporting link](#))

Podcast/Programs:

This Sustainable Life with Joshua Spodek ([supporting link](#))

UCSB Press Releases:

New research shows genetic mutation known for Alzheimer’s disease is associated with higher fertility in women:

<https://www.news.ucsb.edu/2023/021170/new-research-shows-genetic-mutation-known-alzheimers-disease-associated-higher>

Greater fat stores and blood cholesterol increase with brain volume, but beyond a certain point they are associated with faster brain aging

<https://www.news.ucsb.edu/2023/020892/embarrassment-riches>

Researchers uncover natural selection for traits associated with immunity and metabolism in Tsimane and Mosen genomes

<https://www.news.ucsb.edu/2023/020860/special-selection>

Sean Reid

Collaborative work with the Chicano Studies Institute highlighted in aidsmap:

<https://www.aidsmap.com/news/may-2023/geographic-mobility-impacts-vulnerability-hiv-among-gay-and-bisexual-latino-migrants>

David Lopez-Carr

<https://www.news.ucsb.edu/2023/021154/nuisance-vegetation-removal-senegalese-waterways-reduces-overall-prevalence-parasitic>

Shelly Lundberg**Media and podcast:**

FTC Watch: Sidelined: Women economic experts seldom testify in merger challenges. Feb 14, 2023 https://www.mlexwatch.com/search?facet=&page=2&per_page=20&q=Kathleen+Murphy

Federal Reserve Bank of St. Louis podcast on Women in Economics, Nov 17, 2022. <https://www.stlouisfed.org/timely-topics/women-in-economics/romer-eberly-lundberg>

Jimena Rico-Straffon

CAF Development Bank of Latin America, Blog Visiones (in Spanish)

<https://www.caf.com/es/conocimiento/visiones/2023/07/la-efectividad-de-las-areas-protegidas-en-el-amazonas-peruano/>

John Weeks

05/28/2023, "Homeownership in San Diego loses ground in last decade, especially for minorities and younger, middle-aged households." San Diego Union Tribune:

https://www.sandiegouniontribune.com/business/story/2023-05-28/homeownership-in-san-diego-loses-ground-in-last-decade-especially-for-minorities-and-younger-middle-aged-households?utm_id=99221&sfmc_id=2407999

Appendix 5

Seminar Schedule, 2022/2023

FALL

Monday, October 10

Aashish Mehta (UCSB, Global Studies & **Zachary Bleemer**, Yale, Economics)

"College Major Restrictions and Student Stratification"

Monday, October 24 (remote)

Amber Wutich (Arizona State, Human Evolution and Social Change)

"Bad Relations? Cross-cultural Patterning in Water Sharing and Mental Ill-health"

Monday, October 31

Lab Open House 12:15

Student presentations 1:00

Nicoline Josephine Bach, Amelia Pludow, Sophia Arabadjis

Monday, November 7

Waverly Duck (UCSB, Sociology) & **Andrea Richardson** (Rand)

"Impacts on Discriminatory Mortgage Lending Practices on Obesity"

Monday, November 21

Marianne Page (UC Davis, Economics)

"Generational Persistence in the Effects of an Early Childhood Health Intervention"

WINTER

Monday, January 9

Susan Alberts (Duke, Biology and Evolutionary Anthropology)

"The Medicine of Life': Social Life and Survival in Wild Primates"

Monday, January 23

René Flores (University of Chicago, Sociology)

"Who are the 'Immigrants'? How Whites' Diverse Perceptions of Immigrants Shape Their Attitudes"

Monday, January 30

Emily G. Jacobs (UCSB, Psychological and Brain Sciences) "The Scientific Body of Knowledge - Whose Body does it Serve? A Spotlight on Women's Brain Health"

Monday, February 6

Christin L. Munsch (University of Connecticut, Sociology)

"Shapeshifting: Academic Social Science and the Illusion of Gender Equality"

Monday, February 27

Erin Lentz (University of Texas, Austin, Public Affairs)

"How do Women's Empowerment Metrics Measure Up? A Cross Metric Analysis"

Monday, March 13

Caitlin Meyers (Middlebury, Economics)

"Forecasts for a post-Roe America: The effects of increased travel distance on abortions and births"

SPRING

Monday, April 10:

Ann Owens (USC, Sociology)

"Separation and Inequality: Income Segregation and the Educational Attainment Gap"

Monday, April 24:

Annie Ro (UC Irvine, Public Health)

"Undocumented Immigrants' Health Care Utilization in Los Angeles County"

Monday, May 8:

Noli Brazil (UC Davis, Community & Regional Development)

"Racial Inequality and the Social Determinants of Health in the Neighborhood Networks of Urban Mobility in US Cities"

Monday, May 22:

Mahasin Muhajid (UC Berkeley, Epidemiology)

"Uprooted: Health Inequities and the Embodiment of Structural Racism"

Monday, June 2:

"Post Pandemic Population Challenges: A Panel of Population Center Directors"

Jennie Brand, UCLA, Director, California Center for Population Research

Sara Curran, University of Washington, Center for Studies in Demography & Ecology

Wendy Manning, Bowling Green State University, Center for Family and Demographic Research

Appendix 6

2022/23 Workshops

June 2, 2023

Post Pandemic Population Challenges: A Panel of Population Center Directors

The goal of this panel was to amass a number of experts to visit us at the Broom Center for Demography at UCSB, to talk about the state of population research, the future of population research, and to discuss ways that a small, non-NIH funded population research center like ours can contribute.

Speakers

Jennie Brand, UCLA, Director, California Center for Population Research

Sara Curran, University of Washington, Center for Studies in Demography & Ecology

Wendy Manning, Bowling Green State University, Center for Family and Demographic Research

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Schedule

Thursday June 1

6:00: Reception at Shelly's house

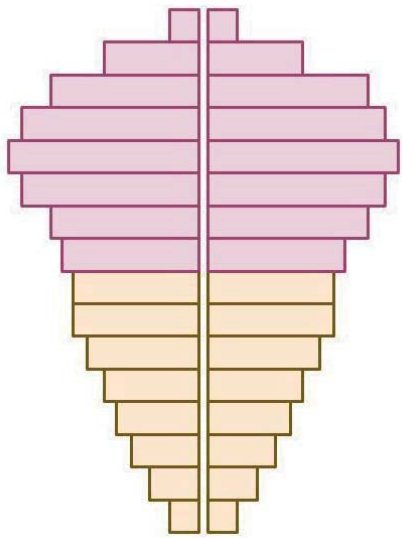
Friday June 2

10:00 am: Open discussion with panel and Broom advisory board

11:30 – 1:00: Lunch with guests and graduate students

1:00 – 2:15: Panel presentation

2:30 – 4:00: Brainstorming, and feedback session



broom center for demography
University of California, Santa Barbara



Est. 2011



Join us **June 2nd** for a
special social event!

Part 1: 1-2:30 HSSB 6020

Part 2: 2:30-4 HSSB 6020

"Post Pandemic Population Challenges:
A Panel of Population Center Directors"

*1-2:30 PM McCune Conference Room
6020 HSSB*



Jennie Brand, UCLA,
Director,
California Center for
Population Research



Sara Curren, UW,
Center for Studies in
Demography & Ecology



Wendy Manning, BGSU,
Center for Family and
Demographic Research

Ice Cream Sundaes, Coffee,
& "Spend-a-thon"!

2:30-4PM McCune HSSB

Broom Center Affiliated
Faculty
&
Graduate Associates

Please join us for ice
cream, coffee and TJ
Gift Card giveaways!

Contribute your thoughts
to our "spend-a-thon"
and have a say in our
budget priorities!

RSVP Today!

Appendix 7

Graduate Student Research and Training (GSRT) Grants Awarded, 2022/23

Awarded Spring 2023

Elily Cobb

Anthropology
ICPSR Short Training Workshop
Awarded \$1800

Ana Jaskiewicz

Economics
Research
Awarded \$2000

Cristiano Parmeggiani

Anthropology
Training, Microhimerism Workshop
Awarded \$2000

Jimena Rico Traffon

Economics
Field REsearch
Awarded \$2000

PAA 2023 Awards for Accepted Papers

Sophia Arbadjis

Geography
Awarded: \$500

Gabrielle Benoit

Geography
Awarded: \$500

Katie McMahon

Geography
Awarded: \$500

Sean Reid

Geography
Awarded: \$500

Sigrid Van Den Abbeele

Geography
Awarded: \$500

2023 All-UC Conference at UC Irvine***Gabrielle Benoit***

Geography
Awarded: \$150

Esau Casimiro Vieyra

Geography
Awarded: \$150

Katie McMahon

Geography
Awarded: \$150

Sean Reid

Geography
Awarded: \$150

Sigrid Van Den Abbeele

Geography
Awarded: \$150

Note: All recipients are Broom Center Graduate Associates, enrolled as graduate students at UCSB

Appendix 8

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):

1. Core course in demography. Each student will be required to take GEOG 254: Population Geography, or ANTH 245: Anthropological Demography and Life History, 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 (12 unites), at least one of which must be outside the student's own discipline. A list of currently-eligible courses in four departments appears below. Requests to have new courses or special topics courses considered for credit should be directed to Shelly Lundberg.
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 at least one Emphasis core faculty member.

How to Apply to the Demography Emphasis Program

Students enrolled in the PhD programs in the departments of Anthropology, Economics, Geography, Sociology, and Global Studies are eligible to apply for enrollment in the Demography Emphasis. Inquiries should be emailed to the Emphasis director, Shelly Lundberg (slundberg@ucsb.edu) your advisor and an outline of your proposed plan of study and dissertation research early in your studies. Before filing your dissertation, you must also file a [Change of Degree Status Petition](#) with the Graduate Division for the emphasis to appear on your official record.

Eligible population courses:

Anthropology: ANTH 209 Applying Evolutionary Anthropology (Lawson)
 ANTH 245. Anthropological Demography and Life History (Gurven)
 ANTH 253. Human Biology Laboratory Methods
 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 227. Geo-Social Determinants of Health and Health Disparities (Cassels)
 GEOG 288LA. Urban Geography (Ackert)

Sociology: SOC 226. International Immigration (Lanuza)
 SOC 234. Social Inequalities (Charles)
 SOC 240. Sociology of Health (Taylor)
 SOC 245A. Seminar on Gender (Thébaud; Taylor)
 SOC 272. Race, Crime, and Punishment (Rios)

Economics: Labor Economics sequence: ECON 250E-J
 ECON 250D Population Economics (Lundberg)
 [Note: This course has no economics prerequisites]