

Broom Center for Demography  
University of California, Santa Barbara  
2013 Annual Report

*The Leonard and Gretchan Broom Center for Demography* is an interdisciplinary research center at the University of California, Santa Barbara. We were established in October 2011, with generous funding from Leonard and Gretchan Broom. Leonard Broom was a distinguished professor of sociology in a career spanning seven decades, with appointments at UCLA, UT Austin, the Australian National University and most recently at UCSB. This report describes the Center's activities during its second year of operation, from July 2012 through June 2013.

The Broom Center is directed by Peter Kuhn, Professor of Economics at UCSB, in consultation with an advisory committee of UCSB faculty consisting of Kelly Bedard (Economics), Maria Charles (Sociology), Michael Gurven (Anthropology), Shelly Lundberg (Economics), David Lopez-Carr (Geography), and Stuart Sweeney (Geography), plus two *ex officio* members: the director of ISBER and the Dean of Social Sciences. Our mission is to facilitate and engage in research and training in the areas of social demography, population studies, and social and economic inequality. The research is organized into seven intersecting, interdisciplinary themes: Family Demography, Biodemography and Evolution, Population-Environment Interactions, Sex and Gender, Health and Education, Work, and Spatial Demography and Migration. Research under each theme is guided by an area director.

As of July 1, 2013, the Center consists of 30 Research Associates and 35 Graduate Associates spanning five disciplines (Anthropology, Economics, Geography, Psychology and Sociology). This compares to 27 and 26 Research and Graduate Associates a year ago. While most of this change is due to the addition of new members, five Graduate Associates became Broom alumni, moving on to postdocs and assistant professorships at Stanford, USC, Harvard and Sydney. On a sadder note, our treasured colleague, Philip Babcock, lost a long battle with cancer far too early in life. Almost all of the Associates are located at UCSB, and it is our plan to continue on this basis for some time. The goal is to foster interdisciplinary on-campus networks as a foundation for broader outreach in the future. As a group, the Research Associates received a large number of honors and awards in 2012-13; these are listed in an appendix to this document. Some especially noteworthy distinctions include Shelly Lundberg's service as President of the Society of Labor Economists and Victor Rios's receipt of the Oliver Cromwell Cox Book Award from the American Sociological Association. In addition, David Lopez-Carr served as Coordinating Lead Author of the United Nations Environmental Program (UNEP)'s Fifth Global Environmental Outlook (GEO-5) "Land" Chapter in preparation for the Rio+20 World Summit in 2012.

The Broom Center operates two seminar series, both of which had a successful year. Our main **seminar** meets in North Hall every other week with a combination of internal and outside speakers. This year's external speakers included Leah Platt Boustan (UCLA, Economics), Emilio Moran (Indiana, Anthropology), John Weeks (SDSU, Geography), Bruce Western (Harvard, Sociology), Becky Pettit (Washington, Sociology), William Evans (Notre Dame, Economics), Chris Kuzawa (Northwestern,

Anthropology), Thom McDade (Northwestern, Anthropology), Duncan Thomas (Duke, Economics), and Teresa Seeman (UCLA Medical School). Topics ranged from population-environment interactions in the Brazilian Amazon to the nature and consequences of mass incarceration in the United States.

The **lab lunch seminars** started in Fall 2012, featuring graduate student research presentations designed to grow an interdisciplinary community of researchers with demographically-related interests. Each seminar consists of presentations by two students from different disciplines; feedback from both grad students and faculty has been both plentiful and constructive.

The Broom Center operates a **social demography computer lab** providing state of the art hardware and software ranging from Atlas.ti (a qualitative data analysis package) to statistical packages like Stata, SAS and SPSS, to flexible programming languages like Matlab and R. More importantly, we maintain a corps of graduate student **lab assistants** who provide in-person advice both on software and on statistics and study design. The lab also operates a series of **Research Methods Mini-Courses**, taught primarily but not exclusively by the lab assistants. These short modules range in length from one to four hours; topics have included introductions to Stata, Atlas.ti and ArcGIS and an overview of the German Socio-Economic Panel (SOEP) survey. Complete schedules for the mini-courses, as well as the seminar series and lab lunches are all available as appendices to this document.

In 2012-13, the Center's hosted the second in its annual series of **Theme-oriented Workshops**. This year's workshop, "Immigration and the Family: New Developments and Perspectives" took place on Saturday February 23, 2013 and was co-organized by Peter Kuhn and Stuart Sweeney (directors of Broom's Work and Spatial Demography/Migration themes, respectively), and Kathryn Grace of the University of Utah. Invited presenters were Carola Suarez-Orozco, (Psychology, UCLA), Frank Bean (Sociology, UC Irvine), Stephen Trejo (Economics, UT Austin), Susan Brown (Sociology, UC Irvine), Nancy Landale (Sociology, Penn State) George Borjas (Kennedy School, Harvard), Aimee Chin (Economics, University of Houston), Suzanne Withers-Davies (Geography, University of Washington). The workshop also included a graduate student poster session. An agenda is available as an appendix.

In March 2013, the Center awarded its second set of **Graduate Student Research and Travel (GSRT) grants** in response to a university-wide call for applications. These grants fund graduate student attendance at training programs in demographic methods. In the 2013 year we also expanded the scope of this program to provide modest amounts of research support for dissertation research, with an emphasis on research in its early stages. Ten students from Economics, Political Science, Linguistics, Sociology, Geography, Anthropology and Ecology, Evolution, and Marine Biology received a total of \$18,000 in funding; the appendix provides a list of funded projects.

The Center's **Biodemography Lab** located in room 5106 of Biology II, commenced operations in 2012/13. The lab is co-directed by Professor Gurven and Broom Research Associate Aaron Blackwell, and managed by postdoctoral researcher, Benjamin Trumble. It has capability to analyze urine, blood and salivary biomarkers of stress, immune function, nutritional status, infection, reproductive hormones, as well as standard anthropometrics used to more roughly gauge growth and

nutritional status. In its first year of operation, most research was limited to Gurven's Tsimane Health and Life History Project, but saw a series of requests for training and collaboration from across anthropology, psychology and geography.

In the 2012-13 academic year, the Broom Center hosted three **Visiting Scholars**: Silke Anger, a researcher at the German Institute for Economic Research in Berlin who studies labor market and family issues, spent the fall quarter in the Center. Lisbeth Nielsen, a graduate student from Denmark who studies parental leave visited fall quarter. Julien Johnsen, a graduate student from the University of Bergen, visited in the winter quarter. Jointly with Shelly Lundberg, he is investigating why highly educated couples are increasingly urbanized.

2012/13 has been an active research year for the Center's Research Associates. Three of the Associates had large, active grants totaling over 12 million dollars in value that support *other* Research Centers: UCSB's Center for Nanotechnology in Society (Appelbaum), UC's Center for New Racial Studies (Winant), and the University of Washington's Center for Studies in Demography and Ecology (Lundberg).<sup>1</sup> In addition to these grants, the Center's Research and Graduate Associates held 35 active research grants totaling \$13,061,611 in value during the year, from sources that include the National Institutes of Health, National Science Foundation, NASA, China's National Natural Science Foundation, NOAA, the Russell Sage Foundation, William T. Grant Foundation, and Robert Wood Johnson Foundation.

Together the Center's Research and Graduate Associates published 101 peer-reviewed articles, 2 books, 17 chapters in edited volumes and four other items in 2012-13.<sup>2</sup> A searchable database of these publications is available on the Center's website; here we briefly describe a few highlights from each of the Center's seven research themes.

### **Research Highlights: Family Demography**

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 9 Graduate Associates from Sociology, Economics, Anthropology, and Geography conduct research and publish within this theme.

In one highlight of research in 2012/13, Broom Associate Director Shelly Lundberg (with Norwegian collaborators Kjell Erik Lommerud and Katrine Løken) use Norwegian administrative registry data to examine intergenerational proximity in "Your Place or Mine? On the Residence Choice of Young Couples in Norway" (published in *Demography*). They find that the labor market opportunities and

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<sup>1</sup> Professor Lundberg directed CSDE when they applied for and received their Population Center grant, which was active from 2007-1012.

<sup>2</sup> Appendix 1's count of publications includes all items published in 2012, 2013 or forthcoming at the time of writing (June 2013). To ensure comparability over time, the Center will adopt the same approach in all its future reports.

family ties of both partners affect these location choices and, rather surprisingly, that married men live significantly closer to their own parents than do married women. The principal source of the patrilocal residence pattern in this population is the relatively low mobility of men without a college degree, particularly in rural areas. This may be due to the importance of local networks and inheritance of occupational capital, such as farms and fishing boats, in the earnings prospects of less-educated men. Despite evidence that intergenerational resource flows, such as childcare and eldercare, are particularly important between women and their parents, the family connections of husbands appear to dominate the location decisions of less-educated married couples.

Broom Graduate Associate Lisa McAllister and Broom Associate Michael Gurven (with Hillard Kaplan and Jonathan Stieglitz) investigate discrepancies between women's reports of their ideal family size, which fall with increased market integration and socioeconomic development, and the persistence of high actual fertility rates. They develop and test a conceptual model of factors influencing women's fertility preferences among the Tsimane of Bolivia in "Why Do Women Have More Children Than They Want? Understanding Differences in Women's Ideal and Actual Family Size in a Natural Fertility Population." There are three possible reasons that women may exceed their ideal family size during a period of socioeconomic development: limited autonomy in reproductive decisions, improved health leading to greater fecundity and child survival, and limited returns to education and other investments that lead to low motivation to control fertility. Using data from reproductive histories and interviews, they conclude that women continue to value traditional skills and large kin networks (relative to formal schooling) as market integration increases, delaying the expected decline in fertility.

Broom Associates Kathryn Grace and Stuart Sweeney also consider the dynamics of a fertility transition in "Understanding Stalling Demographic Transition in High-Fertility Countries: A Case Study of Guatemala". Dramatic fertility declines occurred in most countries in Central and South America during the last quarter of the twentieth century but, in Guatemala, there appeared to be a stall in the fertility decline during the 1990s after the fertility transition had begun. In addition, substantial regional variations in fertility trajectories within Guatemala have complicated the analysis of the sources of both fertility declines and fertility plateaus in this country. They employ a set of fertility measures developed in low-fertility developed country settings that adjust for cohort effects and changes in birth timing, and find that meaningful macro-fertility indicators at both regional and national levels can be constructed in the high-fertility context of Guatemala as well.

### **Research Highlights: Biodemography and Evolution**

The Broom Center's Biodemography area is directed by Michael Gurven, Professor of Anthropology at UCSB and director of the Tsimane Life History and Health Project, a five-year initiative funded by the National Science Foundation and National Institutes of Health to further develop theory and test models of human life history evolution. During 2012-13, Professor Gurven made 16 presentations based on ongoing work in his research group, at venues including Penn, UCLA, Population Association Meeting, Physical Anthropology and Human Biology Meetings, and Gerontological Society of America Meeting (in a special session organized by Bruce Carnes and Leonard Hayflick).

In its second year, the Biodemography thematic area now has ten research associates and six 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 (directed by Gurven) forms a central role. Together, these publications demonstrate the value of an evolutionary approach on a variety of themes that span across the social and natural sciences. Publications from 2012-2013 appear in diverse, prestigious journals, such as *Proceedings of the Royal Society B*, *Annals of Human Biology*, *PLoS One*, *Current Anthropology*, *American Journal of Human Biology*, *Social Science and Medicine*, and *Evolutionary Anthropology*.

Some of the prominent findings include: (1) post marital residence patterns in horticultural societies show that standard typologies are not useful for explaining the considerable variation in residence patterns across the lifespan, (2) polygyny is not associated with reduced fertility when one considers who self-selects into polygynous marriage, (3) Despite socioeconomic change, there is little evidence that physical activity has declined among Tsimane Amerindians, but greater Spanish fluency is associated with greater obesity in women, (4) the structure of task delegation by Tsimane parents of children works to increase household economic efficiency, (5) while reduced fertility desires is evident with socioeconomic development, fertility decline may be delayed when perceived benefits of investment in human capital are low, (6) modernization is associated with greater gynecological morbidity among Tsimane women, despite greater access to healthcare, (7) variation in infant thymus size (as assessed through thymic ultrasound) sheds light on immune investments early in life in environments differing in resource and disease-stress, (8) the Big Five, presumed to represent the universal structure of human personality, does not replicate in small-scale, egalitarian societies, and a new theoretical approach to understanding personality development is proposed, (9) a meta-analysis of social behavior in humans and primates shows that reciprocity exists and is of similar magnitude among monkeys, apes and humans, despite claims that greater cognitive abilities are required for elaborate reciprocity behavior, (10) testosterone increases more from horticultural activity than competitive sports, which suggests an alternative model for the role of androgen hormones in male development and physiology, and (11) infections with giardia are less likely among Tsimane with helminth worm infection, and treatment of worm infection with an anti-helminth increases the risk of giardia; these results highlight the need to consider coinfection in disease transmission models and treatment plans.

Other associate contributions reflect the growing importance of biodemography at UCSB. Grace and colleagues in *Applied Geography* show that spatial variability in temperature and rainfall predict child stunting rates throughout Kenya, with prediction models showing that increasing climate change will worsen malnutrition in the future. Stuart Sweeney and colleagues in *Applied Geography* describe the changing structure of commercial and traditional maize production in Mexico over the previous three decades, with implications on livelihoods, food security and political security. In *Science*, Olivier Deschenes and colleagues use indirect methods based on fish species life history to assess the sustainability of the world's unassessed fisheries. They find that small fisheries are being unsustainably harvested, while large unassessed fisheries may be as comparable as assessed fisheries in developed countries; in all however, stocks are declining.

Another major accomplishment in the 2012-13 year was the inauguration of the Human Biodemography Laboratory in Bio II. The Human Biodemography Lab integrates evolutionary biology and demography to better understand the range of variation in human health, and physiology across the life course. The lab utilizes enzyme immunoassays to measure biomarkers of stress, immune function, nutritional status, infection, and reproductive hormones to explore the individual and population-level determinants of human health, and to test functional hypotheses from an evolutionary perspective. Specializing in high-throughput biomarker quantification in blood, urine, and saliva, this facility hopes to serve UCSB researchers and others interested in biological aspects of human health and development in clinical, field, and experimental settings. With an emphasis on less-invasive and field-friendly biomarker collection, we offer novel approaches to a traditionally clinical field of study, expanding our breadth of knowledge about human variation. Laboratory facilities are equipped for enzyme immunoassays, multiplex assays, flow cytometry, point-of-care analyses, as well as incubation and cell culture work related to immune function. These facilities can also be adapted to process many commercial assays depending on our research needs. To date, there have been three faculty associates, eight graduate students, and seven undergraduate students who have actively worked in the lab.

### **Research Highlights: Population-Environment Interactions**

2012-2013 was an active year for Broom Center scholars involved in population-environment dynamics research thanks to new and ongoing funding from NASA, NSF, NIH, and other public and private sources. Colleagues published articles in the areas of **methods and modeling, conservation, population impacts, the economics of population-environment dynamics, population-environment vulnerabilities and health, and conceptual issues.**

In **methods and modeling**, David Lopez-Carr and several colleagues published "Mixed Methods in Land Change Research: Towards Integration" in one of the highest impact factor journals for geography, *Transactions of the Institute of British Geographers*. Along with colleagues from Sonoma State University, SDSU and UCSB Lopez-Carr also published on spatial and multi-level model applications to population-environment research in *Ecological Modeling*. A **conservation** related paper on perceptions and environmental resource use decisions written with SDSU colleagues led by Sara Wandersee, was also published in *Ecological Modeling*. Other publications under the conservation research theme included an entry on marine conservation to the *Oxford Bibliographies in Geography* led by Jaime Rossiter, and three journal articles from Shankar Aswani on various aspects of, and strategies for, management of tropical and marine ecosystems: one independently authored and published in *Pacific Science*, and two others for which Aswani was the head of an international team of co-authors (one appearing in *Marine Policy* and the other in *Biological Conservation*).

In **population impacts**, López-Carr was a coordinating lead author on two chapters for the Fifth Global Environmental Outlook (GEO-5) of the United Nations Environment Programme (UNEP). He led or was a collaborator on three studies investigating distinct aspects of the relationship between demographic change and tropical deforestation. These were published in *Environment: Science and Policy for Sustainable Development*, *Biotropica*, and the *Proceedings of the Latin American Studies 2012*

*International Congress*. López-Carr was also part of a team of researchers affiliated with the Interdepartmental Graduate Program in Marine Science whose work on trophic cascades and lobster fishing in California appeared in *Plos One*. To round out the population impacts research theme, Broom Center research associates Stuart Sweeney and Frank Davenport's exploration of structural and spatial changes in Mexican maize production since 1980 was published in *Applied Geography*.

Under the theme of the **economics of population-environment dynamics**, the work of Olivier Deschenes and his research colleagues found outlets in top-ranking venues, including *Science*, where Deschenes co-produced a study on the status of thousands of unassessed fisheries worldwide. He also led a study published in the *American Economic Review* on the economic impacts of climate change on US agriculture and authored a chapter entitled "Climate Policy and Labor Markets" in an edited volume. In addition, Aashish Mehta and a colleague from the Asian Development Bank completed an analysis of the relationship between food subsidies and theft of rice in the Philippines that was subsequently published in *Economics Letters*.

Broom Center scholars working under the **population-environment vulnerability and health** research theme were especially prolific this year. In anthropology, Michael Gurven and associated colleagues produced work on pro-social behavior as exhibited by humans and other primates (appearing in *Evolutionary Anthropology* and *Current Anthropology*). Christopher von Rueden, together with Gurven and others, authored an article on differences in post-marital residence patterns between hunter-gatherer and horticultural societies (*Current Anthropology*). Also from the field of anthropology, Shankar Aswani was part of a team of researchers that published a study of the resilience, vulnerability and adaptive capacity of a Solomon Island community following a tsunami (*Global Environmental Change*). Maya Rossin-Slater and Paulina Oliva from the UCSB Department of Economics have completed independent work on, respectively, the causal health effects of geographic proximity to nutrition programs for women and children (*Journal of Public Economics*) and the prevalence and regulatory impact of cheating on smog checks in Mexico City (revise and submit *Journal of Political Economy*). In geography, John Weeks was involved in several published research projects covering a range of topics: the covariance of vegetation cover and change with housing quality in Ghana (*Professional Geographer*), the spatial distribution of HIV amongst intravenous drug users in Tijuana, Mexico (*Geographies of Health*), and the relationship between packaged water and health outcomes in Accra, Ghana (*Health & Place*). Also in geography, graduate associate Lumari Pardo, contributed to an entry, "Vulnerability to Climate Change", for the *Oxford Bibliographies in Geography*, and work by geography graduate associate Daniel Ervin in conjunction with Professor López-Carr on environment and health (aging) was published in the *Journal of Rural Studies*. Finally, **conceptual** work on population-environment interactions appeared in an article led by SDSU colleague Li An (*Ecological Modeling*), and in a paper led by Jason Bremner in an edited volume.

## Research Highlights: Sex and Gender

Sex and Gender Theme Director Maria Charles is Professor and Chair of Sociology and Affiliate of Feminist Studies at UCSB. She serves as Fellow of the Stanford Center for Research on Poverty and Inequality, member of the Executive Advisory Board of UCSD's Center for Research on Gender in the Professions, Past-Chair of the American Sociological Association's Section on Inequality, Poverty, and Mobility, and Editorial Board member for the *American Sociological Review* and *Research on Social Stratification and Mobility*. Charles' research is currently funded by a grant from the National Science Foundation and two grants from the Russell Sage Foundation.

At the end of its second year, the Sex and Gender Thematic Area has ten research associates and sixteen graduate associates. Affiliates published numerous research articles, chapters, and books related to the sex and gender theme during the 2012/13 academic year. Articles appeared in high-profile outlets in anthropology, economics, education and sociology, including *Demography*, *Quarterly Journal of Economics*, *Basic and Applied Social Psychology*, and *Evolution and Human Nature*.

Research by Center Associates on the lesbian and gay movement received a great deal of national attention in the wake of the Supreme Court's June 2013 ruling on same-sex marriage. *The Marrying Kind? Debating Same-Sex Marriage within the Lesbian and Gay Movement* (University of Minnesota Press, May 2013), coedited by Associate Verta Taylor and Mary Bernstein, is a collection of articles tracing within-movement disputes about same-sex marriage. In addition, Graduate Associates Jason Hopkins, Anna Sorensen, and Heather Hurwitz worked with Professor Taylor on diverse articles relating to the politics and cultural meanings of same-sex marriage, heteronormative biases facing lesbian and gay families, and the role of women's cultures and communities in lesbian and feminist movements. Associates Taylor and Sorensen were interviewed by several local and national media outlets in spring and summer of 2013.

In "Chicano Cholos Perform for a Punitive Audience" (*Performing the U.S. Latina and Latino Borderlands*, Indiana University Press, 2012 ) Broom Associate Victor Rios and Patrick Lopez-Aguado explore how young Mexican Americans use their bodies to resist punitive treatment by state authorities and stigmatization by white residents. Rios argues that adopting a "Cholo" style (baggy clothes, shaved heads for males, tattoos), allows Mexican American youth to create oppositional street cultures that convey defiance and assert self-worth but simultaneously lead authorities and white residents to label them as criminals (or future criminals). Rios points to the gender-specific enactments of this body work, and the self-fulfilling prophecies that result. He traces subtle connections between a state-directed culture of surveillance and punishment and the cultures of masculinity, crime and violence that characterize many poor urban neighborhoods.

Sex and Gender Theme Director Maria Charles (in collaboration with NYU's Paula England) was awarded a new grant from Russell Sage Foundation to support the first nationally representative study of the intergenerational dynamics of care work. A central question is whether a propensity to do care work – in either the market or the home – is transmitted from parents to children. Results may shed



light on intergenerational processes underlying the strong gender and racial segregation of the United States care sector.

UCSB's Sociology Department has taken over the Number One position on the *U.S. News and World Report's* 2013 listing of Best Graduate Schools in the area of Sex and Gender, ranking ahead of prominent gender programs at Berkeley, Wisconsin, Stanford, and Michigan.

### **Research Highlights: Health and Education**

The Center's Health and Education theme is directed by Kelly Bedard, Professor of Economics at UCSB. Among her many contributions to the economics of education and health, Professor Bedard has authored influential work on the effects of elementary school students' age relative to their classmates in terms of test scores and educational attainment, featured in Malcolm Gladwell's recent best-selling book, *Outliers*. During 2012 she published a follow-up piece examining the impact of moving school starting age rules on the lifetime earnings of men and women.

During 2012/13, Broom Center affiliates have collectively published more than 40 research papers in the areas of Health and Education. Examples of the breadth of interesting work includes, work by Stuart Sweeny examining undernutrition in developing countries. Maya Rossin-Slater's work showing that access to the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) decreases the likelihood of gaining too little weight during pregnancy, increases average birth weight, and increases likelihood of breastfeeding at the time of hospital discharge. David Lopez-Carr examines the plausibility of the reported clustering centenarians (those who have surpassed 100 years) in the Caucasus region. Michael Gurven documents the very low rates of high blood pressure among Tsimane forager-farmers and the low age-related rate of increase. Gurven's findings stand in stark contrast those for almost every other population, and are important evidence since the age-related rise in blood pressure is a major risk factor for a variety of diseases. Recent work by Shelly Lundberg on the personality and educational inequality serves as a final example. In her 2012 Presidential address to the Society of Labor Economists, and in the paper in the *Journal of Labor Economics*, Lundberg shows the effects of personality traits on college graduation and how their returns differ across family background. An important implication is that policy discussions concerning educational inequality should be expanded to consider the environmental factors that limit the opportunities of disadvantaged children.

### **Research Highlights: Work**

Broom Work Theme Director Peter Kuhn is a Research Fellow of the National Bureau of Economic Research (Cambridge, MA), the Institute for the Study of Labor (IZA) in Bonn, Germany, the CESifo Research Network in Munich, and the Center for the Study of Poverty and Inequality at Stanford University. He serves as Associate Editor of *Labour Economics*, the *Industrial and Labor Relations Review*, the *IZA Journal of Labor Economics*, *IZA World of Labor*, and sits on the editorial board of *AEJ: Applied Economics*.

Currently, the Work Theme's research team comprises 11 Research Associates and 9 Graduate Associates, spanning the disciplines of economics, sociology, geography, anthropology and psychology. Highlights of the group's 2012-2013 publications include Peter Kuhn and Kailing Shen's large-scale study of explicit gender discrimination, i.e. statements in job ads that indicate the employer is seeking a person of a specific gender for the job. Such statements are legal in many countries, including China, but have not been studied quantitatively before. In the paper, we use data on over a million job ads on a Chinese Internet job board (Zhaopin.com) to show that gender-targeted job ads are commonplace, favor women as often as men, and are much less common in jobs requiring higher levels of skill. Employers' relative preferences for female versus male workers, on the other hand, are more strongly related to the preferred age, height, and beauty of the worker than to job skill levels. Overall, the patterns we observe are not well explained by models in which *firms* have particular preferences for male versus female employees, or by 'glass ceiling' models in which firms use gender-targeted job ads to systematically exclude women from better-paying positions. Instead, the patterns suggest a scenario in which firms have a desire to assign workers to 'gender-appropriate' jobs, but this desire is overridden in skilled positions where firms have a greater incentive to search broadly for the most qualified candidate.

The United States is the only advanced industrialized country without a national law providing new mothers (and often fathers) with entitlements to paid family leave (PFL) that allow them to take time off work, with wage replacement, to care for a newborn. To assess what might be the effects of adopting such a law, Broom Research Associate Maya Rossin-Slater (with co-authors Christopher Ruhm and Jane Waldfogel) study how California's PFL law, which took effect in 2004, affected leave-taking by mothers following childbirth. Other labor market outcomes are also studied. The authors obtain robust evidence that the California program doubled the overall use of maternity leave, increasing it from an average of three to six weeks for new mothers, with some evidence of particularly large growth for less advantaged groups. We also provide evidence that PFL increased the usual weekly work hours of employed mothers of 1- to 3-year-old children by 10 to 17 percent and that their wage incomes may have risen by a similar amount. The authors also study whether PFL has reduced previous disparities in leave-taking, whereby advantaged mothers have been much more likely to use leave than their less advantaged counterparts. Such disparities are policy-relevant given theory and prior evidence that suggests that paid leave is likely to be beneficial for child health and development.

Finally, in "It's not your fault: The social costs of claiming discrimination on behalf of someone else" Broom Associate Brenda Major and co-author Dina Eliezer use experimental methods to study gender discrimination in the workplace. Specifically, experimental participants read about a woman or man who experienced sexism and whose co-worker (male or female) either expressed sympathy or claimed that the target experienced sexism. The participants then evaluated the co-worker. Overall, participants evaluated co-workers who claimed that someone else experienced discrimination more negatively than they evaluated co-workers who did not claim discrimination. Furthermore, female co-workers who claimed discrimination on behalf of someone else were derogated more than male co-workers who did the same. Major and Eliezer's results raise interesting questions about workers' incentives to report discrimination when it occurs in their workplaces, suggesting that a significant amount of hidden discrimination may still exist.

## Research Highlights: Spatial Demography and Migration

Stuart Sweeny is the area director for the Broom Center's Spatial Demography and Migration theme. The focus of this theme is on research where space (mathematically abstract), place (culturally and meaningfully rich), or the dynamic movement of individuals between spaces/places is central to the research. Sweeney completed work in 2013 on 5-year award from NSF focused on the changing geography of maize production in Mexico, and the implication for individual farmers' livelihoods. He also secured new funding to study Central American immigrant fertility adaptation in Los Angeles. He presented his research results at the Population Association of America, the Joint Statistical Meetings, Western Regional Science Association, and gave invited lectures at an NSF-funded specialist meeting on *Measuring People in Place* and for the Quantitative Methods in the Social Sciences graduate emphasis at UCSB. He is on the editorial board of the journal *Spatial Demography* and Director of the Institute for Social, Behavioral, and Economic Research at UCSB.

Spatial Demography and Migration has twelve faculty associates from four departments (anthropology, economics, sociology, and geography), and eight graduate student associates distributed among those same departments. Broom associates were productive in 2012-13 and published 11 articles or chapters during the period focusing on an eclectic set of topics.

Associate Weeks and his son explore the notion of 'demographic fit' -- youth (15-24) deficit in one country matching a youth bulge in a neighboring country -- as means of understanding continuing patterns of immigration from Central American and Mexico to the United States. They explore this over the long sweep of time from 1950 to present and conclude that while the sources and causes of immigration from Latin America to the US are complex, the basic demographic forces -- notable demographic fit -- deserve more attention. Weeks and co-authors also published five other chapters or articles during the period focusing on immigration, neighborhood poverty and the identification of slums in Accra, Ghana, and documenting an HIV epidemic among injection drug users in Tijuana, Mexico. The article focused on HIV was published in the prestigious *Annals of the Association of American Geographers*. The study particularly highlights the need for the collection of detailed longitudinal data with spatial characteristics to adequately monitor and design policy interventions for epidemics or exploring other disease distributions.

Associate Sweeney published four articles in 2013 related to spatial demography. Two of those focused on results from his NSF funded studies of maize production and household livelihoods in Mexico. The first, published in *Applied Geography*, provides a broad overview of spatial patterns and trends in the Mexican maize sector that characterize the last 30 years. Those shifts in production alter both household and national exposure to the risk of climate-induced crop failure. The second, led by Amy Lerner, documents how households in a formerly rural town outside of Mexico City have adapted and altered their reliance on, and work hours devoted to, household maize production as their connectivity to the metropolitan area has increased.

Associates Sweeney, Grace, and Davenport collaborate on two other articles, both focused on Guatemala. The first appearing in *Economics and Human Biology* is primarily focused on integrating quantile regression and binary outcome models to increase the policy utility of prevalence studies. The article applies the methods to study child undernutrition. The other article published by Grace and Sweeney is in *Journal of Population Research* and compares a range of period, cohort, and tempo-adjusted fertility measures -- both for national trends and regional patterns -- to study the stall in Guatemala.

Finally, Maya Rossin-Slater -- a new assistant professor in economics -- published an article in the *Journal of Public Economics* that documents how accessibility to WIC clinics has beneficial outcomes for the mother's health (during and after pregnancy), and increases both birth weights and the likelihood of breastfeeding. She uses a unique confidential data set from Texas that includes information on WIC clinic locations and their date of opening or closing, and combines that with information from Texas birth records. The combined set of information and careful econometric analysis that uses an instrument to control for endogeneity, allows her to develop a strong set of causal inferences related to WIC access.

### **Contributions to the Media and Public Policy**

Broom Associates were frequent contributors to the media in 2012/13, and also advised number of governments and agencies on important public policy choices. Media coverage included the New York Times, PBS NewsHour, China Radio International, the Economist, and the Wall Street Journal. Broom Associates advised the Guatemala Planning Ministry, and the Asian Development Bank. Additional details are provided in the Appendix.

### **Appendices:**

1. Publications in 2012-13
2. Active Funding
3. Recognition and Service
4. Media and Public Policy Contributions
5. Grants Awarded by the Broom Center
6. 2012-13 Seminar Schedule
7. 2012-13 Lab Lunch Schedule
8. Immigration Workshop Agenda and Participants
9. Methods Mini-Courses in the Broom Lab

# Appendix 1

## Publications in 2012/13<sup>3</sup>

### ***Shankar Aswani***

Aswani, S. and K. Ruddle. *In press*. [The design of realistic hybrid marine resource management programs in Oceania](#). *Pacific Science*.

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Stow, Douglas A., John R. Weeks, S. Toure, Christopher Lippitt, Lloyd Coulter, and Eric Ashcroft, 2013. "Urban vegetation cover and vegetation change in Accra, Ghana: Connection to housing quality," *Professional Geographer*, 65(3): 451-465.

Brouwer, Kimberly C., Melanie L. Rusch, John R. Weeks, Remedios Lozada, Alicia Vera, Carlos Magis-Rodríguez, and Steffanie A. Strathdee, 2012. "Spatial Epidemiology of HIV Among Injection Drug Users in Tijuana, Mexico," *Annals of the Association of American Geographers*, 102(5): 1190-1199.

Gregg Verutes, John R. Weeks, and Lloyd L. Coulter, 2012. "Health, Poverty, and Place in Accra, Ghana: Mapping Neighborhoods," *Journal of Maps, Special Issue on Innovative Mapping in Spatial Demography*, 8(4): 369-373.

John R. Weeks, Arthur Getis, Douglas A. Stow, Allan G. Hill, David Rain, Ryan Engstrom, Justin Stoler, Christopher Lippitt, Marta Jankowska, Anna Carla Lopez, Lloyd Coulter, and Caetlin Ofiesh, 2012. "Connecting the Dots Between Health, Poverty and Place in Accra, Ghana," *Annals of the Association of American Geographers*, 102(5): 932-941.

Gregory B. Weeks and John R. Weeks, "The Demographic Fit Between the US and Latin America" Chapter 11 in John R. Weeks and Debbie L. Fugate, Editors, *The Youth Bulge: Challenge or Opportunity?* (New York: IDEBATE Press), 2012.

John R. Weeks and Debbie L. Fugate, "Introduction: What is the youth bulge and why does it matter?," Chapter 1 in John R. Weeks and Debbie L. Fugate, Editors, *The Youth Bulge: Challenge or Opportunity?* (New York: IDEBATE Press), 2012.

John R. Weeks, "Why Do Some Countries Have a Demographic Dividend and Others Do Not?" Chapter 10 in John R. Weeks and Debbie L. Fugate, Editors, *The Youth Bulge: Challenge or Opportunity?* (New York: IDEBATE Press), 2012.

John R. Weeks and Debbie L. Fugate, Editors, *The Youth Bulge: Challenge or Opportunity?* (New York: IDEBATE Press), 2012.

Justin Stoler, Dean Daniels, John R. Weeks, Douglas A. Stow, Lloyd L. Coulter, and Brian K. Finch, "Assessing the Utility of Satellite Imagery with Differing Spatial Resolutions for Deriving Proxy Measures of Slum Presence in Accra, Ghana," *GIScience & Remote Sensing*, 49(1):31-52, 2012.

Kimberly C. Brouwer, Remedios Lozada, John R. Weeks, Carlos Magis-Rodríguez, Michelle Firestone-Cruz, and Steffanie A. Strathdee, "Intra-Urban Mobility and its Potential Impact on the Spread of Blood-Borne Infections among Drug Injectors in Tijuana, Mexico," *Substance Use and Misuse*, 47(3):244-253, 2012.

Stoler, Justin, John R. Weeks, and Günther Fink, 2012. "Sachet drinking water in Ghana's Accra-Tema Metropolitan Area: Past, present, and future," *Journal of Water, Sanitation and Hygiene for Development*, 2(4): 223-240.

### **Howard Winant**

Winant, Howard. "The Dark Matter," *Ethnic and Racial Studies*, Vol. 35, no. 4 (April 2012).



## Appendix 2

### Active Funding

#### ***Rich Appelbaum***

Co-Principal Investigator, NSF-funded UCSB Center for Nanotechnology in Society. 2006-2016. \$12 million approximately.

#### ***Maria Charles***

Russell Sage Foundation. 2012-2013. "Who Cares: Intergenerational Transmission and Determinants of Working in Care Occupations" (with Paula England). \$60,000.

National Science Foundation. 2010-2012. "Who Likes Math? International Trends Among Eighth-Grade Boys and Girls." \$132,335.

Russell Sage Foundation. 2010-2013. "The Local Joneses: Household Consumption and Income Inequality in Large Metropolitan Areas." \$22,843.

#### ***Gary Charness***

IFree Grant, 2012. \$7,000.

#### ***Olivier Deschenes***

UCSB Academic Senate Grant. 2012-2013.

UCE3 Mini-Grant, 2012.

National Institutes of Health / National Institute of Environmental Health Sciences, Grant number R21ES019375. 2010 – present. "Using Medication Purchases to Measure the Health Consequences of Air Pollution" (with M. Greenstone and J. Shapiro). \$334,951.

#### ***Kathryn Grace***

NASA Research Opportunities in Space and Earth Sciences. 2012-2015. Examining the Links Between Agriculture and Human Health in a Context of Climate Change: A Case Study of Three West African Countries - Niger, Burkina Faso and Mali. (with Co-I Greg Husak). \$274,000.

UC Center for New Racial Studies (co-PI). 2013-14. Central American fertility in Los Angeles translation: Informing statistical models with qualitative context. \$12,000

**Michael Gurven**

National Institutes of Health/National Institute on Aging. 2012-2015. R01, "Cardiovascular and renal aging among Tsimane forager-horticulturalists". (joint-PIs: Michael Gurven & Hillard Kaplan). \$1,600,000.

National Institutes of Health/National Institute on Aging. 2011-2015. R01, "Immune Function over the Life Course among Forager-Horticulturalists". (joint-PIs: Michael Gurven & Hillard Kaplan). \$1,906,000.

National Institutes of Health/National Institute on Aging. 2012. Administrative Supplement. (Joint PI: Gurven, Kaplan). \$44,350.

National Institutes of Health/NIA, R01, "The Human Life Course and the Biodemography of Aging" (Joint PI: Gurven, Kaplan). \$1,250,000.

**Elizabeth Kennedy**

Latin American Studies Association. 2013. Travel Grant recipient. \$600.

Vivian Finch SDSU Scholarship for Summer Research in Latin America. 2012. \$4,500.

SDSU. 2012. Spring Graduate Student Travel Fund Award. \$947.

**Peter Kuhn**

National Natural Science Foundation of China. 2013-2015. "Impacts of Hukou, Education and Wage on Job Search and Match: Evidence Based on Online Job Board Microdata," (co-investigator with Kaling Shen, PI, grant No. 71203188. RMB 190,000 (USD \$31,000).

**David Lopez-Carr**

National Science Foundation. 2012-2018. Long Term Ecological Research Santa Barbara Coastal LTER: PIs D.R. Reed, S. Holbrook, J. Melack, D. Siegel; co-I D. López-Carr et al. \$4,200,000.

National Aeronautics and Space Administration (NASA) Land Use/Cover Change Grant (LULCC). 2012-2015. "The Urban Transition in Ghana and Its Relation to Land Cover and Land Use Change Through Analysis of Multi-scale and Multi-temporal Satellite Image Data." PI: Doug Stow; co-PIs: David López-Carr, John Weeks, Li An. \$993,000.

National Oceanic and Atmospheric Administration (NOAA). 2011-2014. Climate Scene Investigators (CSI)-Transitions Program Grant: "A Global Standardized Precipitation Index Supporting the US Drought Portal and the Famine Early Warning System Network" PI: Chris Funk; co-PIs: Greg Husak, David López-Carr, Joel Michaelson, Michael Brewer (NESDIS/NCDC). \$297,960.

University of California Pacific Rim Research Grant. 2012-2013. "Developing sustainable fisheries management in the Pacific Rim under changing climate: sustainability, vulnerability, and adaptation." PI

D. López-Carr. Co-PIs: H. Lenihan, S. Gaines, F. Ther Rios, N. Davies, S. Henderson, S. Gelcich, S. Lester. \$43,447.

UCSB Critical Issues in America Grant. 2012-2013. "Figuring Sea Level Rise." PI Janet Walker. Co-PI D. López-Carr et al. \$25,000.

University of California Global Health Institute (UCGHI) Award. 2012-2013. "A Study of the Change in Diet of Latino Immigrants Integrating Survey and Biomarker Data." 2/29/12-3/31/13. PI D. López-Carr. \$8,853.

Collaborative Research Initiative Grant (C-RIG). 2010-2012. UCSB Institute for Social, Behavioral and Economic Research (ISBER). Developing Human- Environment Dynamics Grant Proposals at UCSB. PI D. López-Carr. \$4,471.

Three University of California, Santa Barbara Faculty Senate Travel Awards. 2005 - present.

### ***Shelly Lundberg***

National Institute of Child Health and Human Development (PI). 2007-2012. "Center for Studies in Demography and Ecology" University of Washington, Population Research Infrastructure award (R24).

### ***Brenda Major***

National Science Foundation. 2011-2013. Collaborative Research: Diversity Structures Create Illusions of Fairness. P.I. \$269,267.

### ***Aashish Mehta***

Mapping the Global Race for National Security Technologies. 2013-2014. Institute on Global Conflict and Cooperation (Co-grantee with Luciano Kay). \$11,000.

Instructional Development Grant for Global 197. 2013-2014. UCSB Instructional Improvement Grant. \$944.

Emerging Employment Opportunities in the Global South. 2010-2012. Implications for Employment and Education -Hellman Family Faculty Fellowship. \$18,000.

### ***Anne Pisor***

UCSB Humanities and Social Sciences Research Grant. 2013.

### ***Victor Rios***

William T. Grant Foundation. 2011-2012. Investor Initiated Grant. \$305,000.

***Heather Royer***

Robert Wood Johnson Foundation. 2012-2014. "Improving the Structure of Financial Incentives for Exercise: Insights from Behavioral Economics" (with Mark Stehr and Justin Sydnor). \$100,000.

National Institutes of Health. 2012-2014. "Commitment Contracts for Health-Behavior Change" (with Mark Stehr and Justin Sydnor). \$446,000.

***Anna Sorensen***

Beth B. Hess Memorial Scholarship. 2013-2014. Sociologists for the Study of Women in Society (SWS). \$15,000.

Flacks Fund for the Study of Democratic Possibilities. 2013-2014. UC Santa Barbara. \$1350.

Humanities and Social Sciences Research Grant. 2012-2013. UC Santa Barbara. \$1977.

Sociology Department Research Grant. 2012-2013. UC Santa Barbara. \$500.

***Stuart Sweeney***

National Science Foundation, Human Social Dynamics (co-PI). AOC. 2008-2013. Market integration and climate as drivers of change in the Mexican Maize System: Multi-scale interactions in livelihood and land use change. \$627,316.

UC Center for New Racial Studies (PI). 2013-14. Central American fertility in Los Angeles translation: Informing statistical models with qualitative context. \$12,000

***Howard Winant***

Principal Investigator, University of California Office of the President (UCOP) Grant. 2010-2015.  
University of California Center for New Racial Studies, a MultiCampus Research Program Initiative.

## Appendix 3

### Recognition and service

#### ***Rich Appelbaum***

MacArthur Chair in Sociology and Global & International Studies, (2010-2015)

Planning committee member, The Eleos Foundation, a local foundation whose mission statement reads: "Catalyzing capital in the fight to eradicate extreme poverty with compassion and effectiveness" (2008-present)

Founder and Secretary, Board of Directors, Chad Relief Foundation, a local foundation that provides relief and development efforts to refugees from the Central African Republic, Gore region, South Chad (2007- present)

Co-PI and Executive Committee Member, Center for Nanotechnology in Society (2006- present)

Editorial Board, *Contemporary Politics* (2007- present)

Hong Kong-based NGO focused on labor conditions in China (2006- present)

Member, University of California Advisory Committee on Trademark Licensing, UC Office of the President (2004 - present)

Chair, Advisory Council, National Worker Rights Consortium (2004- present)

SB-CORE, President (2004 - present)

#### ***Shankar Aswani***

Pacific Adaptation Strategies Assistance Program (PASAP), Department of Climate Change,

Australian Government. Program Head of project entitled "Roviana Climate Change Adaptation."

Greater Roviana, Solomon Islands, climate change awareness and research program (2010-present)

Western Solomons Conservation Program: This expansion plan establishes permanent community-based MPAs across the entire Western Solomon Islands. (2007 - present)

Pacific Islands Field Training Program Roviana, Solomon Islands. Field school to train U.S. students of Pacific Island descent about anthropology and marine science (2003 - present)

Establishing Marine Protected Areas and Spatio-temporal Refugia in the Roviana and Vonavona

Lagoons, Solomon Islands Project. Establishing a network of marine protected areas. (2002 - present)

(MPAs) and development projects across southwester New Georgia, Solomon Islands.

Editor, Editorial Board of the *Journal of Anthropology*: (May 2010- present)

#### ***Maria Charles***

Editorial Board. *American Sociological Review* (2011-2014)

Executive Advisory Board, 2011-2015. NSF ADVANCE PAID-Research, “Divergent Trajectories: A Longitudinal Study of Organizational and Departmental Factors Leading to Gender and Race Differences in STEM Faculty Advancement, Pay, and Persistence.”

Consulting Editor and Board Member, *Research on Social Stratification and Mobility* (2010- present)

Secretary/Treasurer, ASA Section on Global and Transnational Sociology (2009-2012)

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

### **Gary Charness**

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

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

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

Research Associate. Broom Center for Demography, University of California, Santa Barbara. (2012 - present)

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

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

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

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

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

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

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

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

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

### **Noah Friedkin**

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

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

Mathematical Sociology Section, American Sociological Association. (2013)

### **Steven Gaulin**

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

### **Michael Gurven**

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

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

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

Member, National Institutes of Health Grant Review Committee, Social Sciences and Population Sciences Study Section. 2012.

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)

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

### **Elizabeth Kennedy**

Fulbright Student Award to El Salvador. (2013 - 2014)

### **Peter Kuhn**

Recipient of the 2012 excellence in refereeing award, *American Economic Review*. (2012)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### **David Lopez-Carr**

Director, Latin American and Iberian Studies. UCSB. (2012- present)

Chair, Faculty Senate Committee on Diversity and Equity, UCSB. (2012- present)

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

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

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)

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

North American Regional Advisory Board Member of the United Nations Environmental Program (UNEP)'s Fifth Global Environmental Outlook (GEO-5) board in preparation for the Rio+20 World Summit in 2012. (2010-2012)

Coordinating Lead Author of the United Nations Environmental Program (UNEP)'s Fifth Global Environmental Outlook (GEO-5) "Land" Chapter in preparation for the Rio+20 World Summit in 2012. (2010-2012)

Advisory Panelist: NSF Geography and Spatial Sciences (GSS) Program Doctoral Dissertation Improvement Grant (DDR) competition. (2010-2012)

Steering Commission Member. Population-Environment Research Network (PERN). Based at Columbia University's CIESIN and sponsored by NSF. (2008-2012)

Volunteer academic mentor. Project Excel ([www.projectexcelsb.org](http://www.projectexcelsb.org)). Santa Barbara, CA. (2010-2012)

### ***Shelly Lundberg***

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

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

Research Fellow, IZA, (2004-present)

Deputy Editor, *Demography*, (2010- 2013)

Board of Editors, *American Economic Review*, 2007- present)

Associate Editor, *Journal of Population Economics*, 2006- present)

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

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

Editorial Board, *Journal of Family and Economic Issues*, 2004- present)



President, Society of Labor Economists, (2012-2013)

Excellence in Refereeing Award, *American Economic Review*, 2012

Member, Interdisciplinary Behavioral and Social Sciences (IBSS) Macro Panel, National Science Foundation, May 2013

International Collaborator, Canadian Labour Market and Skills Research Network, (2006-present)

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

### ***Brenda Major***

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

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

### ***Aashish Mehta***

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

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

### ***Veronica Montes***

Postdoctoral Research Fellow at USC, Departments of Sociology and the Center for the Study of Immigrant Integration (CSII). (2013-2015)

Dissertation Research Award, The Health Initiative of the Americas, School of Public Health, University of California, Berkeley. (2012)

### ***Victor Rios***

Oliver Cromwell Cox Book Award, *American Sociological Association*, Section on Racial and Ethnic Minorities. (2013)

Honorable Mention for Outstanding Book Award, *American Sociological Association*, Section on Inequality, Poverty, and Mobility. (2013)

Proclamation Honoring Dr. Victor Rios for his Work on Youth Violence Prevention, City of Berkeley, Berkeley, CA. (2013)

2013 Award of Excellence in Mentoring, University of California, Santa Barbara, Student Life and Activities. (2013)

2013 Volunteer Recognition for 7 years of Service to Isla Vista Elementary School, Goleta Union School District. (2013)

C. Wright Mills Book Award Finalist, Society for the Study of Social Problems. (2012)

Distinguished Book Award, *American Sociological Association*, Section on Latina/o Sociology. (2012)

Distinguished Teaching Award, University of California, Santa Barbara, Academic Senate (2012)

Faculty Advisory Board Member, UCSB Certificate in College and University Teaching. (2013)

C. Wright Mills Book Award Committee Member, Society for the Study of Social Problems. (2013)

Distinguished Book Award Chair, *American Sociological Association*, Section on Latina/o Sociology. (2013)

Present Editorial Board Member, *Contexts*, *American Sociological Association*. (2011- present)

Executive Council Member, American Society of Criminology, Division on People of Color and Crime (2010-2012)

Committee 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**

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

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

Bing Health Scholar, RAND Corporation (2011 - present)

Excellence in Refereeing Award. *American Economic Review*. (2012)

### **John Sutton**

Chair-elect and Chair, Sociology of Law Section, American Sociological Association. (2010-2012)

### **Stuart Sweeney**

Director, Institute for Social, Behavioral, and Economic Research (2012 - present)

Advisory Board, UCSB Survey Center (2008 - present)

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

***Verta Taylor***

Member, Flacks Fellowship Committee, (2006-present)

Sarah Thebaud: couldn't find CV

***John Weeks***

Organizer and Chair, Sessions on "Health, Poverty, and Place in Ghana I, II, and III," Annual Meeting of the Association of American Geographers, New York, NY, (2012)

Organizer and Chair, Sessions on "Economic Change and Migration," Annual Meeting of the Population Association of America, San Francisco, (2012)

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

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

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

Editorial Board, *Annals of the Association of American Geographers* (2010-2014)

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

Editorial Board, *GeoJournal* (2007 - present)

Member, University Research Council, (2010-present)

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

***Howard Winant***

Director, University of California Center for New Racial Studies (MultiCampus Research Program Initiative). (2009- present)

## Appendix 4

### Examples of Media and Public Policy contributions

Rios, V.M. 2012. Gunfire as Conflict Resolution. *Room for Debate. The Opinion Pages. New York Times.* March 21, 2012.

Victor Rios discussed his research on PBS Newshour's Ray Suarez and American Graduate Series, February 1 and September 27, 2012.

Phillip Babcock contributed to the New York Times opinion pages, January 21, March 31 and April 4, 2011, concerning his research on study time in American Colleges.

Aashish Mehta consulted with the Asian Development Bank on Social Safety Nets.

David López-Carr consulted with USAID and with the Guatemala Planning Ministry on Population, Health and Environment.

David Lopez-Carr, was lead author on the 2012 UNEP Global Environmental Outlook

Michael Gurven's research on the Tsimane of Bolivia yielded new insights on diseases in Western societies, and was featured in the New York Times, September 25, 2012.

**David Lopez-Carr** was interviewed by Zheng Chenguang on "People in the Know," a Beijing radio interview program featured on China Radio International, concerning the United Nations Environment Programme's fifth Global Environmental Outlook report, which he coauthored.

Peter Kuhn's research on Internet job search and on gender and team formation was featured by the Wall Street Journal on September 29, 2011 and November 11, 2011.

Peter Kuhn's research on lottery winners' consumption choices was featured by The Economist magazine on December 17, 2011

Richard Appelbaum served as Board member for the Child Rights and Protection Consultancy-International (CRPCI)

Kathryn Grace's USAID-funded research influenced policies affecting malnutrition in Africa

Wei Sun's research was cited in the Wall Street Journal Asia on March 18, 2013. "How Could Chinese Students Maximize the Returns to Their American Degrees" by Emmeline Zhao.

Elizabeth Kennedy was a frequent contributor to *OpenDemocracy* on the subject of public policy towards child migrants.

## **Appendix 5**

### **Grants Awarded**

#### **by the Center's GSRT (Graduate Student Research and Training) Program**

***Daniel Argyle***

Economics

Travel to University of Kentucky LINKS Center - Summer Workshop on Social Network Analysis  
Awarded \$2,000

***Lisa Argyle***

Political Science

Travel to Stanford University - Summer Institute in Political Psychology  
Awarded \$2,000

***Lynette Arnold***

Linguistics

Transnational Salvadoran Families Managing the Consequences of Migration: Informing  
Qualitative Data through Survey Methodology  
Awarded \$1,991

***Cassandra Engeman***

Sociology

Event History and Survival Analysis Seminar put on by the Statistical Horizons Program in  
Pennsylvania  
Awarded \$2,000

***Daniel Ervin***

Geography

Travel to University of Utah - Stable Isotope Biogeochemistry and Ecology Camp  
Awarded \$2,000

***Nicole Filler***

Political Science

Travel to Maxwell School at Syracuse University - The Institute for Qualitative and Multi-  
Method Research  
Awarded \$812

***Eric Fuerstenburg***

Anthropology

Research travel to Bolivia as a first-stage, pilot test of new measures for Masters data paper and eventual dissertation work

Awarded \$2,000

***Bridget Harr***

Sociology

University of Colorado, Boulder – Two ICPSR 5-Day Statistical Workshops: Applied Multi-Level Models for Longitudinal Data and Cross-Sectional Data

Awarded \$2,000

***Ashley Larsen***

Ecology, Evolution, and Marine Biology

Landau in der Pfalz, Germany - International Summer Academy On Spatial Ecotoxicology and Ecotoxicological Risk Management Assessment –Using An Open Community Approach

Awarded \$2,000

***Jessica Marter-Kenyon***

Geography

University of California, Berkeley– ICPSR Summer Program in Quantitative Methods of Social Research: Social Network Analysis” and “Oakland, CA – 8th Summer Institute on Migration and Global Health

Awarded \$1,250

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

## Appendix 6

### 2012-2013 Seminar Schedule

#### Fall:

*Monday October 8*

**Andrew Penner** (UCI, Sociology)

"Refusing to Fail? Over-persistence, Under-persistence and the Gender Gap in Science."

Host: Maria Charles

*Monday October 22*

**Leah Platt Boustan** (UCLA, Economics)

["A Nation of Immigrants: Assimilation and Economic Outcomes in the Age of Mass Migration"](#)

Host: Peter Kuhn

*Monday October 29*

**Waldo Tobler** (UCSB, Geography [emeritus])

["Migration: Maps and Models"](#)

Host: Stuart Sweeney

*Monday November 5*

**Emilio Moran** (Indiana, Anthropology)

"The Reciprocal Relationship Between Population and Environment in the Brazilian Amazon"

Host: David Lopez-Carr

*Monday November 19*

**John Weeks** (SDSU, Geography)

"Rethinking the Health and Mortality Transition in Africa: Evidence from Ghana"

Host: David Lopez-Carr

#### Winter:

*Monday January 14*

**Bruce Western** (Harvard, Sociology)

"Trends in Family Income Instability Among US Children"

Host: Maria Charles

*Monday January 28*

**Becky Pettit** (University of Washington, Sociology)

["Invisible Men: Mass Incarceration and the Myth of Black Progress"](#)

Host: Shelly Lundberg

*Monday February 11*

**Shelly Lundberg** (UCSB, Economics)

"Lifting the Burden: State Care of the Elderly and the Labor Supply of Adult Children in Norway"  
(with Julie Riise Kolstad and Katrine V. Løken)

*Monday February 25*

**Olle Westerlund** (Umea University, Economics)

"The Linneaus data base - Swedish population register, census and survey data for life-course studies and research on ageing populations"

Host: Heather Royer

*Monday, March 11*

**William Evans** (Notre Dame, Economics)

["The White/Black Educational Gap, Stalled Progress, and the Long Term Consequences of the Emergence of Crack Cocaine Markets"](#)

Host: Peter Kuhn

## **Spring:**

*Monday April 22*

**Chris Kuzawa** (Northwestern University, Anthropology)

"Moving beyond genetic race: Epigenetic, developmental and intergenerational embodiment of US health disparities"

Host: Michael Gurven

*Monday May 6*

**Thom McDade** (Northwestern University, Anthropology)

"Early environments and the eco-logics of inflammation: Developmental origins of health in the Philippines and the U.S."

Host: Michael Gurven

*Monday May 20*

**Duncan Thomas** (Duke, Economics)

"The impact of a natural disaster on child health"

Host: Shelly Lundberg

*Monday June 3*

**Teresa Seeman** (UCLA)

"Exploring a BioPsychoSocial Model of Health and Aging - the value of a multi-systems approach to biological risk"

Host: Michael Gurven



## Appendix 7

### 2012-2013 Lab Lunch Schedule

#### Fall:

*Monday October 15:*

**Miguel Delgado Helleseer** (Economics) “The Value of Speaking English in a Non-English-Speaking Country”

**Chris von Rueden** (Anthropology) “Hierarchy and Health in Small-Scale Societies”

*Monday November 26:*

**Veronica Montes** (Sociology) “Transnational Migration and Household Economic Strategies”

**Carlos Baez** (Geography) “Redlining in Los Angeles circa 1930”

*Monday December 10:*

**Lisa McAllister** (Anthropology) “Preferences and Reality of Fertility with Market Integration”

**Lumari Pardo-Rodriguez** (Geography) “Mapping Vulnerability and Understanding Adaption to Climate Change: Peruvian Farmers”

#### Winter:

*Monday March 4:*

**Elizabeth Kennedy** (Geography) “Unmet Mental Health Needs of Unaccompanied Child Migrants”

**Kevin Schnepel** (Economics) “In Utero Pesticide Exposure and Infant Health”

#### Spring:

*Monday April 29:*

**Heather Hurwitz** (Sociology)

**Ben Trumble** (Anthropology)

*Monday May 13:*

**Trevor O’Grady** (Bren School)

**Anand Shukla** (Economics)

**Lab Lunches are informal, interdisciplinary Graduate Student seminars**

# Appendix 8

## 2013 Immigration Workshop

### Immigration and the Family: New Developments and Perspectives

#### Broom Demography Center Workshop

Mosher Alumni Center  
University of California,  
Santa Barbara  
Saturday Feb 23, 2013

#### *Agenda*

*9:00 – 10:20 Health and Development*

Carola Suarez-Orozco, (Psychology, co-Director Institute for Immigrant Children & Youth, UCLA)  
“The  
Developmental Implications of Growing up in the Shadows of Undocumented Status”

Frank Bean (Sociology, UC Irvine) “The Implications of Unauthorized Migration for the  
Educational  
Incorporation of Mexican-Americans”

*10:20- 10:50 Morning break*

*10:50 - 12:10 Selection and Identification*

Stephen Trejo (Economics, UT Austin) “The Complexity of Immigrant Generations: Implications  
for  
Assessing the Socioeconomic Integration of Hispanics and Asians”

Susan Brown (Sociology, UC Irvine) “The Implications of Unauthorized Migration for the  
Education of Mexican-Americans”

*12:10-1:30 Lunch and Posters*

*1:30-2:50 Children and Highly Skilled Immigrants*

[Nancy Landale](#) (Sociology/Pop Studies Center, Penn State) “Migration and the family circumstances of Mexican-Origin children in the United States and Mexico”

[George Borjas](#) (Economics, Kennedy School, Harvard) “The Economic Effects of Highly Skilled Immigration: Who Gains and Who Loses?”

*2:50-3:20 Afternoon break*

*3:20-4:40 Savings and Wealth*

[Aimee Chin](#) (Economics, University of Houston) “The Impact of Bank Accounts on Migrant Savings and Remittances: Evidence from a Field Experiment”

[Suzanne Withers-Davies](#) (Geography, University of Washington) "Family Migration, Housing Wealth, and Asymmetries of Accumulation"

5:00 pm Vans depart for Opal

5:45 pm Conference dinner at [Opal](#) (1325 State St. near the Arlington Theater in downtown Santa Barbara; use parking lot on the corner of Chapala and Victoria)

### ***Guest List***

Adam Wright, UCSB  
 Aimee Chin, University of Houston  
 Alberto Ramon, UCSB  
 Ali Hendley, UCSB  
 Anand Shukla, UCSB  
 Angela Garcia, UCSB  
 Bonnie Bounds, UCSB  
 Carola Suarez-Orozco, UCLA  
 Catherine Weinburger, UCSB  
 Cindy Benelli, UCSB  
 David Fitzgerald, UCSD  
 Denise Segura, UCSB  
 Elizabeth Kennedy, UCSB  
 Eric Arce, UCSB

Frank Bean, UCI  
George Borjas, Harvard  
Suzanne and Melvin Oliver, UCSB  
Heather Hurwitz, UCSB  
Heather Royer, UCSB  
Jacqueline Banks, UCSB  
Jenna Stearns, UCSB  
Jennifer Milosch, UCSB  
Julian Johnsen, University of Bergen  
Kathryn Grace, UCSB  
Kelly Bedard, UCSB  
Kris Noam, UCI  
Lisa McAllister, UCSB  
Maria Charles, UCSB  
Michael Gurven, UCSB  
Miguel Helleseter, UCSB  
Min Zhou, UCLA  
Nancy Landale, Penn State  
Peter Kuhn, UCSB  
Shelly Lundberg, UCSB  
Silvia Barcellos, RAND  
Stefanie Fischer, UCSB  
Stephen Trejo, UT Austin  
Stuart Sweeney, UCSB  
Susan Brown, UCI  
Suzanne Withers-Davies, University of Washington  
Tomas Jimenez, Stanford  
Vedant Koppera, UCSB  
Wei Sun, UCSB

## Appendix 9

### Broom Lab Methods Mini-Courses

#### ***STATA Workshop (Part 1)***

Introduction to STATA for researchers with little or no exposure to the software. We focused on importing data and basic techniques to obtain summary statistics and perform linear regression analysis.

*Dates offered: 4/4/12*

*Length: 2 hours*

*Instructor: Kevin Schnepel*

#### ***Minimizing the Spatial Data Start Up Cost: An Introduction to ArcGIS***

The first half of the course covers the fundamentals of handling spatial data. This includes an introduction to vector data, raster data, projection systems, file structures, and the connection between spatial data, spatial processes, and statistical analysis. In the second half of the class students run through a series of lab exercises with ArcGIS. The exercises cover joining tabular data to spatial data, converting coordinates to a shapefile, point-in-polygon spatial joins, and basic map production.

*Dates offered: 5/1/12*

*Length: 2 hours*

*Instructor: Frank Davenport*

#### ***STATA Workshop (Part II)***

A continuation of the Part I workshop. We focused on data rearranging and merging and also covered more advanced analysis techniques such as discrete non-linear regression models.

*Dates offered: 5/23/12*

*Length: 2 hours*

*Instructor: Kevin Schnepel*

#### ***Spatial Data Handling with R***

The course begins with an overview of the R language and basic data processing within R. We then show to read and write shapefiles, generate random spatial points, do point-polygon spatial joins, read raster files, and do pixel-in polygon aggregations. The last segment of the class introduces the ggplot2 visualization package and demonstrates basic map production in ggplot2. *Dates offered: 6/14/12*

*Length: 2 hours*

*Instructor: Frank Davenport*

#### ***SOEP data I***

Description and History of the SOEP, Survey Respondents: Adults and Adolescents, Advantages and Disadvantages of Panel Studies, Samples: Core SOEP and Innovation Sample, Survey Instruments for Capturing the Life Course, Survey Methods, Analysis Potential of the SOEP, Standard Measures and

Topic Modules, Recent Innovations, Special Topic: The Measurement of Cognitive and Non-Cognitive Skills, in the SOEP, International Perspective and Data Access and Services.

*Dates offered: 10/23/12*

*Length: 1 hour*

*Instructor: Silke Anger*

### **SOEP data 2**

Data structure and SOEP tools, Preparing a cross-sectional dataset, Preparing a longitudinal dataset, Biography and calendar data, Linking individuals to their parents, children, siblings and partners and Weighting.

*Dates offered: 12/4/12*

*Length: 4 hours*

*Instructor: Silke Anger*

### **An introduction to the basics of R**

Getting started with R, the syntax of the R language, and an introduction to some broadly useful functions.

*Dates offered: 2/12/13*

*Length: 2 hours*

*Instructor: Anne Pisor*

### **Panel (longitudinal) data analysis in R**

How to analyze panel (longitudinal) data in R, including time series and random, fixed, and mixed effects models; plus a disambiguation of econometrics and statistics terminology.

*Dates offered: 2/19/13*

*Length: 2 hours*

*Instructor: Anne Pisor*

### **Atlas.ti Skill Share Workshop**

Introduction to Atlas.ti for new and experienced coders. Shared manuals, handouts and tips between new and more experienced coders. Covered creating an HU, uploading documents, basic coding, basic document families.

*Dates offered: 3/1/13*

*Length: 1.5 hours*

*Instructor: Heather Mckee Hurwitz*

### **Panel (longitudinal) data analysis in R**

How to analyze panel (longitudinal) data in R, including time series and random, fixed, and mixed effects models; plus a disambiguation of econometrics and statistics terminology.

*Dates offered: 3/15/13*

*Length: 2 hours*

*Instructor: Anne Pisor*

***Introduction to STATA workshop***

This is an introductory workshop for using STATA to manipulate, format, and analyze data. The topics include, inserting and converting data into STATA format; formatting variables; cross-tabs on data; creating tables; and regression analysis.

*Dates offered: 5/3/13*

*Length: 1.5 hours*

*Instructor: Anand Shukla*

***Using ArcGIS to perform Geographically Weighted Regression (GWR)***

GWR is a localized linear regression used for modeling spatially-varying relationships and ArcGIS happens to have a wonderful tool for getting this done. Apart from demonstrating how GWR may be applied in real-world examples, we would also be discussing considerations to keep in mind when setting up and analyzing the model output.

*Dates offered: 5/20/13*

*Length: 4 hours*

*Instructor: Kevin Mwenda*

***Atlas.ti Code management, Families and Networks***

Following a free online webinar on Networks in Atlas.ti (offered by Atlas.ti) the workshop will discuss the webinar and will delve into code management, families, queries and/or networks.

*Dates offered: 5/23/13*

*Length: 1.5 hours*

*Instructor: Heather Mckee Hurwitz*

***Using ArcGIS to perform Geographically Weighted Regression (GWR)***

GWR is a localized linear regression used for modeling spatially-varying relationships and ArcGIS happens to have a wonderful tool for getting this done. Apart from demonstrating how GWR may be applied in real-world examples, we would also be discussing considerations to keep in mind when setting up and analyzing the model output.

*Dates offered: 5/24/13*

*Length: 4 hours*

*Instructor: Kevin Mwenda*