



Maryland Population Research Center

in the College of Behavioral and Social Sciences
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Newsletter

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Faculty Affiliates and Visitors

Dhiman Das,

External Affiliate with the Women's Empowerment Data for Gender Equality (WEDGE) project, is working with Sonalde Desai, Sociology, to develop a paper on women's say in intra-household bargaining in developing countries. He is also examining inequality of opportunity in health among the aging population in India and China. Previous work includes investigating the effect of changes in welfare policies in the Personal Responsibility and Work Opportunity Reconciliation Act of 1996 on low-skilled women's participation in vocational education and illicit drug use.



Anuj Gangopadhyaya, External Affiliate at the Urban Institute, is working with Michel Boudreaux, Health Management and Policy, to examine the impact of EITC expansions on early childhood development and using linked administrative records to investigate the impact of age at school entry on education, health, and criminal activity. Their article on this topic was published in *Demography* in late 2019.

Visiting Scholars

Jisoo Hwang is Associate Professor of International Economics and Law, Hankuk University of Foreign Studies, Korea. She will work with Faculty Associate Judith Hellenstein during the next year on projects related to gender, family, and fertility,



Continued on page 2

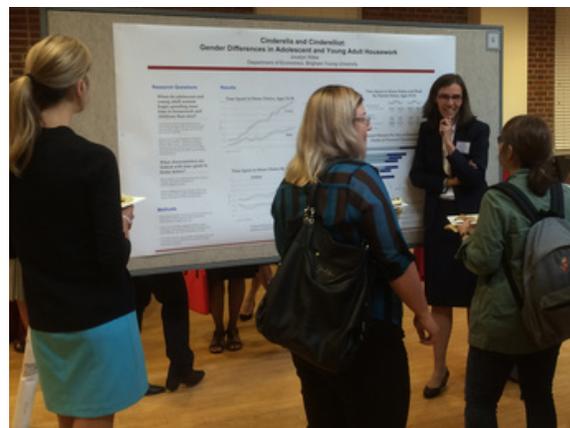
Director's Note

Welcome back to our MPRC community, for the semester of the Washington DC Population Association of America conference. I look forward to seeing so many current and former MPRC members presenting at the conference, and to relaxing and reconnecting at the reception. I hope you have all returned in good health and, unlike myself, without winter sports injuries! Please excuse my limited participation in MPRC activities initially this semester as I get back to full strength. Welcome also to our several visiting scholars this semester, either already here or who are expected later in the semester. Our community is enriched by your presence and I thank each of your Faculty Associate sponsors for bringing you to the Center. The visiting scholars program, in addition to the weekly seminar series and occasional special topic area workshops as seen in this newsletter, are part of our Development Core mission to provide a stimulating intellectual environment that extends beyond the contributions of our own faculty. I thank again Core Director Sangeetha Madhavan, and our MPRC support staff, for facilitating a particularly strong set of activities to keep us all learning from our population research peers nationally and internationally. Grant activity, as reported in this newsletter, has again been strong, not least from the three awarded seed grants to Assistant Professors Boudreaux (Health Policy and Analysis), Jacobsen (Criminology), and Steinberg (Family Science). I wish you all success with your external grant submissions and further exciting scientific discoveries from your recently funded projects.



Sponsored Conference

Time Use Data for Health and Well Being



Preparations are underway for the seventh biennial Time Use conference, being organized by MPRC Faculty Associate Liana Sayer. A group of about 100 domestic and international scholars is expected to participate in six or more sessions on a variety of topics. The conference will give special attention to intersecting influences of macroeconomic conditions and micro-level factors on time use and well being across the life course.

"Time is one of the most valuable and contested resources

in contemporary societies," Dr. Sayer noted. "Analyses of variation in daily time use patterns over time, space, and social groups is needed to advance understanding of determinants and consequences of time use for well being." The 2020 UMD Time Use conference will give members of the growing interdisciplinary time use research community the opportunity to interact with one another and share ideas.



Seed Grant Call - Spring 2020

Proposals Due March 12

See story on Page 3

Research Profile

Sonalde Desai & Feinian Chen

WEDGE Advisory Board meeting, Fall 2019



The WEDGE project, being led by Faculty Associates Feinian Chen and Sonalde Desai, conducted the first meeting of its Advisory Board in September.

Dr. Desai opened the event by chairing a five-person panel presentation to examine the Gender Data Landscape. Participants included Caren Grown, World Bank; Arjan DeHaan, IRDC; Sunita Kishor, ICF; Markus Goldstein, World Bank; and Liana Sayer.

A session of roundtables followed, focusing on the topics of “The Work of Counting Work”, “Intra-Household Economic Inequalities”, and “Unity and Diversity: Generating Cross-Culturally Comparable Data”.

Session Three, chaired by Feinian Chen, addressed the challenges of “Unity and Diversity: Generating Cross-Culturally Comparable Data” and included examples from SocArXiv detailed by Faculty Associate Philip Cohen.

After a break, Professor Janet C. Gornick, CUNY Graduate Center, gave the inaugural Harriet B. Presser Lecture and WEDGE keynote address, “Work, Women, and Care: What Can We Learn from Cross-National Comparisons?”

The WEDGE Advisory Board comprises 30 scholars from universities and from several governmental bodies and NGOs, including the Population Council, the World Bank, UNICEF, DHS, IFPRI, and the U.S. Census Bureau.

New Faculty, continued from page 1

drawing on specializations in labor and demographic economics.

Zuzanna Brzozowska, postdoctoral scholar at Masaryk University and Vienna University of Economics and Business, will arrive in April to work with Christine Bachrach on multidimensionality of values and demographic behaviors related to the Second Demographic Transition framework, with the aim to construct reasonable ideational and demographic indices of the SDT. She will present at an MPRC seminar in May.

Ravinder Kaur, will work with Sonalde Desai during the coming year. Her current research focuses on interrelated issues of gender biased sex selection, marriage, marriage migration, family, kinship, social mobility strategies, technology and society and youth socialities. Before arriving in mid-March, Dr. Kaur is organizing a February conference at IIT Delhi on the theme of “Reproduction, demography and cultural anxieties in India and China in the 21st Century.”



Seed Grant Program for 2019-20

During the Fall Seed Grant call three proposals were funded at \$15,000 each.

With “Depression and contraceptive behavioral patterns: Analyzing two longitudinal studies” Julia Steinberg, Family Science, will examine the association between depression and contraceptive behavioral patterns.

“Exclusionary School Discipline and the Transition to Adulthood for a Baltimore Birth Cohort,” proposed by Wade Jacobsen, Criminology and Criminal Justice, will extend prior research by testing whether exclusionary forms of punishment, which impact adolescent development, also interfere with the transition to adulthood.

Working with Anuj Gangopadhyaya of the Urban Institute, Michel Boudreaux, Health Policy and Management, will investigate “The Impact of Family Income in the First Year of Life on Child and Maternal Health: Evidence from the Earned Income Tax Credit,” leveraging policy features of the EITC.

Spring Special Topics workshop

In addition to a 12-session seminar series, MPRC will host a workshop presentation, “Opportunities for Criminal Justice Research at the Census Bureau,” by Keith Finlay, a Bureau labor economist. This presentation, co-sponsored with the Department of Criminology and Criminal Justice, will discuss some exciting opportunities for conducting research at the U.S. Census Bureau on the criminal justice system and its interactions with the family life, education, employment, earnings, and health of the U.S. population. The Census Bureau is currently developing two data infrastructure systems that will be available for external researchers to use, either collaboratively or independently. First, the Criminal Justice Administrative Records System (CJARS), a joint project of the University of Michigan and the Census Bureau, is a growing repository of harmonized longitudinal records from justice agencies integrated into a research platform available to researchers through the Federal Statistical Research Data Center network. These data can be linked at the person-level to study the scope of criminal justice involvement and associated factors. Second, the Census Bureau is developing longitudinal infrastructure to measure the employment and earnings of criminal justice personnel. To demonstrate the types of applications available to researchers, this presentation will include new research from the CJARS project on the scope and impact of the criminal justice system.

2020 PAA Annual Meeting

The meeting will take place April 22-25 in Washington DC. MPRC scholars will make 36 presentations: 21 papers and 15 posters - during this year’s Annual Meeting. In addition to participating in panel and poster sessions, MPRC scholars will serve as Discussants for three sessions and will Chair one session.

Faculty Associate Chris Bachrach will coordinate a pre-event meeting, the Population Health Breakfast sponsored by the Interdisciplinary Association for Population Health Science and MPRC.

Special reception

MPRC will host a reception on Thursday, April 23, at Mayahuel, a restaurant just steps from the Marriott Wardman Park meeting hotel.



Summer Research Fellowship Awards

Proposal deadline: March 30

MPRC's Suzanne M. Bianchi Summer Research Grant program awards are intended to support MPRC graduate Student Affiliates who could benefit from summer research time or other research resources to complete work on a paper or extended abstract to submit to the Population Association of America (PAA) Annual Conference for their September deadline.

The grants carry a total award amount of \$4,000, which may be spent on a summer stipend or on other research resources (such as for data purchases or travel related to research objectives). The Center expects to award two fellowships in the summer of 2020, one of which will be the Suzanne M. Bianchi Summer Research Grant.

News Update

Faculty News

Monica Das Gupta published "Is banning sex-selection the best approach for reducing prenatal discrimination?" in *Asian Population Studies* and "Return of the Missing Daughters," in a *Scientific American* special issue on Women.

Sonalde Desai was a panelist at the UN Population Fund conference in Nairobi, Kenya, in October 2019

"Differential Privacy and Social Science: an Urgent Puzzle," a working paper by **Frauke Kreuter** and Daniel Oberski, Utrecht University, calls for a robust interdisciplinary approach to the problem.

MPRC scholars **Sangeetha Madhavan** and **Seung Wan Kim** presented papers at the African Population Meetings (IUSSP) held in Entebbe, Uganda in November 2019.

Student News

MPRC Student Affiliate **Brittany Dernberger** and alumna Joanna Pepin have published a paper in *Sociological Science*, "Gender Flexibility, but not Equality: Young Adults' Division of Labor Preferences."

Journal Club meets twice this Spring

The MPRC Journal Club plans two meetings this semester to follow up a highly successful Fall series. Both meetings will be held at 12:00 noon. Journal Club meetings involve the participation of a population scientist speaking about a specific publication and about the issues scholars face when approaching publication.

Recent Awards

Katharine G. Abraham (subcontract); John C. Halliwanger, Co-I

"Understanding the Growth and Nature of Non-Employee Work - Supplemental Funding," Russell Sage Foundation; W.K. Kellogg Foundation; \$35,000, 10/01/2019 - 09/30/2020

Bradley O. Boekeloo; Mia A. Smith-Bynum, Jie Chen, Jessica N. Fish, et al, Co-I

"Increasing Effective Mental Health Care for LGBT Clients," CDC; \$749,941, 09/30/2019 - 09/29/2024

Michel Boudreaux, Co-I; (David Blazar, PI)

"Disparities in Investment in Children and Youth in the United States," Spencer Foundation; \$999,024, 10/01/2019 - 09/30/2023

Amelia R. Branigan (subcontract)

"Advances in skin color measurement: Reliability/validity and feasibility of portable devices for field research in the social, behavioral, and economic sciences," Univ of Illinois/NSF; \$42,511, 08/16/2019 - 08/15/2021

Sonalde Desai, Feinian Chen

"India Human Development Survey: Inclusion of Women's Economic Empowerment Measures," Gates

Foundation; \$1,495,066, 11/12/2019 - 11/30/2022

Typhanye Dyer (subcontract)

"Stop-and-Frisk, Arrest, and Incarceration and STI/HIV Risk in Minority MSM," NYU School of Medicine/NIDA; \$47,109, 04/30/2019 - 04/30/2020

Latent class analyses of MSM sexual identity and homophobia mediating sexual risk," (Co-I), FHI360/NIAID; \$32,535, 06/01/2019 - 11/30/2020

Jinhee Kim, et al

"Strengthening the Capacity of Rural Maryland to Prevent Opioid Misuse," HHS-SAMHSA; \$1,099,856, 09/30/2019 - 09/29/2021

Frauke Kreuter

"Linked Dataset and Virtual Research Data Center," USDA; \$653,490, 08/01/2019 - 02/28/2024

Partha Lahiri, Co-I; (Laura Stapleton PI)

"Expanding MLDS Data Access and Research Capacity with Synthetic Data Sets," UMBC/US Dept. of Education Institute of Education Sciences; \$386,289, 07/01/2019 - 06/30/2020

Robin Puett, Co-I; (Tatiana V. Loboda PI)

"Assessing impact of climate-driven

Research Profile

Kristen Stoebenau, Behavioral and Community Health

Trends in Stratification of Pre-Marital Childbirth, NICHD R03

Across the global North, as economic inequality rises, premarital childbearing and single motherhood are becoming increasingly concentrated among lower-income and less-educated women, with negative consequences for their children's health. In sub-Saharan Africa economic inequality is also rising and family formation patterns are in flux, but we do not know if family patterns are also becoming stratified by education. This project will examine whether premarital childbearing is becoming increasingly stratified by women's educational attainment across sub-Saharan Africa and identify the contextual factors which help explain any increasing stratification. This is important because children born to unmarried or never married mothers in sub-Saharan Africa have a higher risk of death and poor health than children born to married mothers, and in some countries the rate of premarital childbearing is on the rise. If the proposed project finds that premarital birth is becoming concentrated among low-educated women, it will confirm the need for targeted interventions to mitigate the effects of premarital birth for disadvantaged women and their children.

Specifically, this project will examine trends in premarital birth by education over time in countries in sub-Saharan Africa. It also will identify contextual factors that influence a divergence in premarital birth by educational attainment. Drs. Stoebenau and Madhavan will analyze Demographic and Health Surveys, nationally representative surveys conducted on average every five years across most countries in sub-Saharan Africa. The project will draw on 92 surveys across 20 countries, including 199 subnational regions, to examine trends in premarital birth and education for women ages 15 to 34 who were born between 1965 and 1994.

The expectation is that in contexts marked by economic inequality or high levels of urbanization the extent to which premarital birth diverges by education will be accentuated; and in contexts marked by gender inequality, and high ideal family size, the level of divergence in premarital birth by education will be diminished.



Research Profile

Heide Jackson, MPRC Data Analyst

Gradual Change, Homeostasis, and Punctuated Equilibrium: Reconsidering Patterns of Health in Later Life

Dr. Jackson's article, co-written with Michal Engelman, appeared in *Demography* Vol. 56, No. 6 in late 2019



Longitudinal methods aggregate individual health histories to produce inferences about aging populations, but to what extent do these summaries reflect the experiences of older adults? The authors describe the assumption of gradual change built into several influential statistical models and draw on widely used, nationally representative survey data to empirically compare the conclusions drawn from mixed-regression methods (growth curve models and latent class growth analysis) designed to capture trajectories with key descriptive statistics and methods (multistate life tables and sequence analysis) that depict discrete states and transitions. They show that individual-level data record stasis is irregularly punctuated by relatively sudden

change in health status or mortality. Although change is prevalent in the sample, for individuals it occurs rarely, at irregular times and intervals, and in a nonlinear and multidirectional fashion. They conclude by discussing the implications of this punctuated equilibrium pattern for understanding health changes in individuals and the dynamics of inequality in aging populations:

"Exposures to advantage and disadvantage indeed accumulate over the life course. Our findings, however, suggest that for individuals, functional limitations — and potentially other health outcomes — do not necessarily follow a gradual pattern and are instead characterized by general stability interrupted by sporadic change. Our findings are consistent with recent research that has highlighted the relatively high prevalence of recovery and health variability among nursing home residents, who may be expected to experience more serious health declines than the general population. Consequently, the use of gradualist longitudinal models to link exposure to disadvantage with health disparities potentially raises both methodological and substantive complications."

2020 Spring Seminars, Workshops, and Events

A full schedule of seminars and other events is planned for spring 2020. We will begin on February 3 with MPRC Visiting Scholar Michael Bader (right), Associate Professor of Sociology & Policy at American University. He is presenting "Segregation in Place: Estimating the Contribution of White Flight to Racial Segregation in the 21st Century". Other visitors include Yue Qian, University of

British Columbia; Sara Curran, University of Washington; Richard Alba, City University of New York; Martha Bailey, University of Michigan; Leigh Senderowicz, University of Wisconsin-Madison; Connie Gager, Montclair State University; Brian Thiede, The Pennsylvania State University; Jenifer Bratter, Rice University; and MPRC Visiting Scholar Zuzanna Brzozowski, Masaryk University & Vienna University of Economics and Business. MPRC presenters will include Amir Sapkota, Maryland Institute for Applied Environmental Health; and Marie Thoma, Family Science.



In addition to the robust seminar events, MPRC will sponsor (with Criminology) a special workshop with Keith Finlay, US Census Bureau Research Economist on February 28 (see story on Page 2). A PAA Practice Session is slated for April 20.

Awards, continued from page 1

increase in wildfire emissions on air quality and health of urban and indigenous populations in Alaska," NASA-Goddard Space Flight Center; \$270,516, 06/01/2019 - 05/31/2022

Michael Rendall; Dylan Roby, Michel Boudreaux, Julia Steinberg, Amy Lewin, Kevin Roy, et al, Co-I

"Evaluation of the Delaware Plan to reduce unintended pregnancy," additional funds and extended project period through 5/31/2022, Anonymous funder

Amir Sapkota, Co-I; (Gerrit J. Knaap PI)

"Development and Application of ITHIM model for Prince Georges County," MD Dept. of Health; \$50,602, 04/26/2019 - 06/30/2020

Natalie Slopen (subcontract); Michel Boudreaux Co-I

"Residential Characteristics and Child Health and Well-Being," Penn State U/ NICHD; \$192,776, 09/01/2019 - 08/31/2020

Grant Submissions

MPRC personnel helped researchers to propose over \$2.92 million in new funding during the most recent semester. Recently awarded proposals are indicated by an asterisk (*). A more comprehensive list of Faculty Associate awards begins on Page 3.

Christopher Antoun, Co-I (Brian Kim, PI)

"Collaborative Research: Impacts of Hard/Soft Skills on STEM Workforce Trajectories", NSF, \$165,726

*** Sonalde Desai**

"IHDS: Inclusion of WEE Measures", Gates Foundation, \$1,495,066

Sangeetha Madhavan

"Parenting from a Distance: Effects on Children, Parents and Caregivers", NICHD_R21, \$373,733

*** Michael Rendall**

Del-CAN Evaluation Extension to 05/31/2022, Anonymous funder

Thurka Sangaramoorthy

"Voices for Economic Opportunity Grand Challenges", Gates Foundation, \$100,000

Edmond Shenassa (PI), Kerry Green, Jessica Fish

"MD Youth Tobacco Risk Survey", MD Dept of Health, \$170,679 subcontract from Optimal Solutions Group LLC

Andres Villarreal & Monica Caudillo

"Effects of the opioid epidemic on nonmarital fertility, marriage, and family structure", NICHD, R03, \$154,421

Proposal Submissions

You can use a quick and easy form to let us know about your proposal :

www.popcenter.umd.edu/resources/public-documents/intent-to-propose



UNIVERSITY OF
MARYLAND

Maryland Population
Research Center

2105 Morrill Hall
College Park, Maryland 20742

301-405-6403 tel.

www.popcenter.umd.edu