**ELIZABETH E. BRUCH**

**Curriculum Vitae**

**ADDRESS**

Department of Sociology, University of Michigan

500 S. State Street, Ann Arbor, Michigan, 48109, U.S.A.

Email: ebruch@umich.edu

**SCHOOLING**

B.A., Sociology, Reed College, 1999

M.A., Sociology, UCLA, 2001

Ph.D., Sociology, UCLA, 2006

M.S., Statistics, UCLA, 2008

**POSITIONS HELD**

Assistant Professor of Sociology and Complex Systems, 2008-present

U-Michigan Population Studies Center Research Affiliate, 2008-present

**FELLOWSHIPS AND AWARDS**

Phi Beta Kappa, 1999

Reed College Class of ’21 Award recognizing “creative work of notable character, involving an unusual degree of initiative and spontaneity,” 1999

National Science Foundation Graduate Research Fellowship, 2000-2003

Robert Wood Johnson Foundation Health Policy Fellowship, 2006-2008

American Journal of Sociology Gould Prize for 2006-2007

James Coleman Outstanding Publication Award from the ASA Rationality and Society Section, 2006

Robert Park Best Article Award from the ASA Community and Urban Sociology Section, 2006

Outstanding Article Award from the ASA Mathematical Sociology Section, 2015

Robert K. Merton Award in Analytical Sociology, 2015

**PUBLICATIONS**

**Books**

*Mate Market: How Individuals Collectively Shape Patterns of Coupling and Singlehood.* (Work in progress.) Under advance contract with Princeton University Press.

**Articles and Book Chapters**

Bruch, Elizabeth and Robert Mare. 2006. “Neighborhood Choice and Neighborhood Change.” *American Journal of Sociology* 112: 667-709.

Bruch, Elizabeth and Robert Mare. 2009. “Preferences and Pathways to Segregation: Reply to van de Rijt, Siegel, and Macy.” *American Journal of Sociology* 114:1181-98.

Bruch, Elizabeth and Robert Mare. 2009. “Segregation Processes.” In the *Oxford Handbook of Analytical Sociology*, edited by P. Bearman and P. Hedström. Oxford University Press.

Bruch, Elizabeth, and Robert Mare. 2012. “Methodological Issues in the Analysis of Residential Preferences and Residential Mobility.” *Sociological Methodology* 42: 103-154.

Bruch, Elizabeth. 2014. “How Population Structure Shapes Neighborhood Segregation.” *American Journal of Sociology* 119:1221-1278.

Bruch, Elizabeth and Jon Atwell. 2015. “Agent-Based Models in Empirical Social Research.” *Sociological Methods and Research* 44:186-221.

Bruch, Elizabeth, Ross Hammond, and Peter Todd. 2015. (Forthcoming) “The Co-Evolution of Decision Making and Social Environments.” In *Emerging Trends in the Social and Behavioral Sciences,* edited by Robert Kaplan and Stephen Kosslyn. Hoboken NJ: John Wiley and Sons.

**MANUSCRIPTS**

***Under Review***

Bruch, Elizabeth, Fred Feinberg, and Kee Yeun Lee. 2015. “Extracting Deal-Breakers in Mate Choice Using Online Activity Data.”

Bruch, Elizabeth and Joffre Swait. 2015. “All Things Considered? How Residential Search Shapes Residential Choice.”

***In Progress***

Bruch, Elizabeth and Mark Newman. 2015. “The Structure of Online Relationship Markets.”

Bruch, Elizabeth, Fred Feinberg, and Kee Yeun Lee. 2015. “Deal-Breakers and Deal-Makers: A Cognitively Plausible Model of Online Mate Choice.”

Bruch, Elizabeth. 2015. “When ‘Bad is Stronger than Good’: How Perceptual Biases Shape Neighborhood Dynamics.”

Bruch, Elizabeth. 2015. “How Limited Information and Selective Consideration Shapes Segregation Dynamics.”

**EXTRAMURAL RESEARCH GRANTS (PI unless otherwise noted)**

“Dynamic Models of Race and Income Segregation." National Science Foundation Doctoral Dissertation Grant, 2004-05. ($7,500)

“Neighborhood Choice and Neighborhood Change: Evaluating Dynamic Models of Residential Segregation.” (with R. Berk and R. Mare) National Science Foundation, 2004-06. ($230,000)

“Dynamic Models of Racial Residential Segregation.” (with L. Quillian) National Institute of Health R-21 Award, 2010-2013. ($275,000)

“Cognitively Plausible Models of Decision-Making.” National Institute of Health K01 Award, 2014-2019. ($653,000)

“Dynamic Systems Modeling for Demography and Public Health.” National Institute of Health R-25 Curriculum Development and Training Award, 2014-2019. ($980,000)

**INVITED PRESENTATIONS TO PROFESSIONAL AUDIENCES (since 2010)**

“Residential Sorting by Race and Income.” 2010-2011. Presented to the Department of Sociology at Brown University; also in the Yale University School of Management, and the Columbia University Department of Sociology.

“Modeling Segregation Dynamics.” 2011. Presented at the Stanford Inequality Center Seminar Series; also to the MacArthur Network on Mixed Income Neighborhoods and the NIH Institute on Systems Science and Health.

“Mate Preferences and Mate Markets.” 2012-2013. Presented to the Northwestern University Sociology Department; also presented to the Columbia University Sociology Department.

“Nudge2: A Framework for Studying the Multiplicative Effects of Individuals’ Decision Strategies.” 2014. Presented at the National Institute of Health’s Conference on Inequality, Complexity, and Health; and the Institute for Choice in Sydney, Australia.

“All Things Considered? Cognitively Plausible Models of Neighborhood Choice.” 2014. Presented to the California Center for Population Research at UCLA, and also to the Segregation working group at the Institute for Future Studies in Stockholm, Sweden.

**“**How Heuristics and Biases Shape Segregation Dynamics.” 2014. Presented at the Penn State Residential Inequality conference, State College, PA.

“Deal-Breakers and Deal-Makers: A Cognitively Plausible Model of Mate Choice.” 2014-2015. Presented to the Columbia University department of Sociology; and to be presented at Stanford University and Cornell University.

“Behavioral Data, Decision Processes, and Segregation Dynamics.” 2014. Presented at Harvard University’s ‘Big Data and the Future of Urban Sociology’ workshop. December 13-15, 2014.

“The Structure of Online Relationship Markets.” 2015. To be presented in the “Internet Dating” Plenary Session at the Annual Meetings of the American Sociological Association, Chicago, IL.

“When ‘Bad is Stronger than Good’: How Perceptual Biases Shape Neighborhood Dynamics.” To be presented in Thematic Session at the Annual Meetings of the American Sociological Association, Chicago, IL.

**OTHER PRESENTATIONS TO PROFESSIONAL AUDIENCES (since 2010)**

“Income Inequality and Income Segregation.” 2010. Presented at the Annual Meetings of the Population Association of America in Dallas, TX.

“Scaling and Segregation Dynamics.” 2010. Presented at the Annual Meetings of the Population Association of America in Dallas, TX.

“Mate Preferences and Marriage Market Dynamics.” 2012. Presented at the International Network of Analytical Sociologists Annual Meeting, New York; also at the Research Committee on Social Stratification Annual Meetings, Hong Kong.

“Neighborhood Desires and Neighborhood Attainment.” 2012. Presented at the Annual Meetings of the Population Association of America, San Francisco.

“Deal-Breakers and Deal-Makers: A Cognitively Plausible Model of Mate Choice.” 2013-2014. Presented at the International Network of Analytical Sociologists Annual Meeting, Stockholm; also at the Annual Meetings of the American Sociological Association, New York; and the Annual Meetings of the Population Association of America, Boston.

“All Things Considered? Cognitively Plausible Models of Neighborhood Choice.” 2014. Presented at the Annual Meetings of the Population Association of America.

**OTHER PROFESSIONAL ACTIVITIES**

***Editorial***

Consulting Editor, *American Journal of Sociology*, 2011-2013.

Editorial Board, *Sociological Methodology*, 2008-2011 and 2015-2018.

Reviewer for the *American Journal of Sociology*, *Sociological Methodology,* *Social Forces,* *Sociological Methods and Research,* *Demography*, *Population Research and Policy Review,* and the *American Sociological Review*.

***National Academy of Sciences***

Member, Institute of Medicine Committee on the Assessment of Agent-Based Models to Inform Tobacco Product Regulation. 2013-2015.

***Professional Meetings***

Steering Committee member, OBSSR Summit on Best Practices in Modeling for Public Health, Bethesda, MD. 2015.

Program Committee member, International Conference on Computational Social Science, Helsinki Finland. 2015.

Organizer of “Population Processes” session at the Annual Meetings of the American Sociological Association. 2014.

Co-organizer of “Models Big and Small,” Center for the Study of Complex Systems at the University of Michigan. 2014.

Senior Program Committee member, International Conference on Social Informatics (SocInfo). 2014.

Organizer and Presider of “Behavioral Data and the Future of Stratification Research” [Thematic session] at the Annual Meetings of the American Sociological Association. 2013.

Organizer and Presider of “Residential Mobility and Neighborhood Change” at the Annual Meetings of the Population Association of America. 2009.

Discussant of session on “Segregation” at the Annual Meetings of the Population Association of America, 2007.

***Research Networks***

Member, National Institute of Health’s Network on “Inequality, Complexity and Health,” 2010-2014.

Member, University of Chicago’s “Inequality: Measurement, Interpretation, and Policy” Network. 2013-.

***Training***

Track leader, Agent-based Modeling Track of the National Institute of Health’s annual *Institute for Systems Science and Health*; June 2011.

Track co-leader, Agent-based Modeling Track of the National Institute of Health’s annual *Institute for Systems Science and Health*; May 2010.

**TEACHING**

***Courses Taught***

Research Methods (SOC 310)

Research Logics (SOC 506)

Analytical Sociology (SOC 595)

Tipping Points, Bandwagons, and Cascades: From Individual Behavior to Population Dynamics (SOC 260)

***Graduate Advising***

Jared Eno, Sociology and Public Policy (Advisor)

Lydia Wileden, Sociology and Public Policy (Advisor)

Michael Fang, Sociology and Public Policy (Advisor)

Jeff Lockhart (Advisor)

Constance Hsiung, Sociology (Co-advisor)

Jon Atwell, Sociology and Complex Systems (Advisor in Complex Systems)

***Dissertation Committees***

Jon Zelner, Sociology and Complex Systems (Member, PhD Dissertation Committee)

Debra Hevenstone, Sociology (Member, PhD Dissertation Committee)

Kee Yeun Lee, Marketing (Member, PhD Dissertation Committee)

Jessica Hoel, Economics (Member, PhD Dissertation Committee)

Marta Murray-Close, Economics (Member, PhD Dissertation Committee)

Michelle Debbink, Public Health (Member, PhD Dissertation Committee)

Sara Rimer, School of Natural Resources (Member, PhD Dissertation Committee)

Constance Hsiung (Co-Chair, PhD Dissertation Committee)

***Publishable Paper Committees***

Jon Atwell (Member, Publishable Paper Committee)

Constance Hsiung (Member, Publishable Paper Committee)

Kendra Opatovsky (Member, Publishable Paper Committee)

Nelson Saldana (Member, Publishable Paper Committee)

Lacey Bobier (Member, Publishable Paper Committee)

Adriana Ponce (Member, Publishable Paper Committee)

Michael Fang (Chair, Publishable Paper Committee)

***Undergraduate Honors Thesis Advising***

Alexandra Cooperstock, Diana Saum, Nina Lucido