

# Meeting on Methodology for Empirical Research on Social Interactions, Social Networks, and Health II

*November 13 and 14, 2009*

*Organized by*

**Professor Nicholas A. Christakis**  
Department of Health Care Policy,  
Harvard Medical School, and  
Department of Sociology, Harvard University

**Professor Charles F. Manski**  
Department of Economics and  
Institute for Policy Research  
Northwestern University

*Hosted by*

**The Institute for Quantitative Social Science, Harvard University**

*Sponsored by*

**The National Institute on Aging  
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## CONFERENCE PROGRAM

**Friday, November 13**

<b>8:00-8:20 AM</b>	<b>BREAKFAST</b>	
<b>8:20-8:30</b>	<b>Welcome</b>	<b>Chuck Manski &amp; Nicholas Christakis</b>
<i>Session I: MODELING LONGITUDINALLY OBSERVED NETWORKS (convener: Fowler)</i>		
<b>8:30-8:50 AM</b>	<b>Brian Uzzi</b>	Kellogg School of Management, Northwestern University <i>Sync and Collective Performance on Wall Street</i>
<b>8:50-9:10 AM</b>	<b>Sinan Aral</b>	Stern School of Business, New York University <i>Identifying Contagions in Dynamic Networks by Distinguishing Peer Influence from Homophily</i>
<b>9:10-9:30 AM</b>	<b>Yann Bramoullé</b>	Department of Economics, Université Laval, Québec <i>Identification of Peer Effects through Social Networks</i>
<b>9:30-9:50 AM</b>	<b>Aris Anagnostopoulos</b>	Department of Informatics, Sapienza University of Rome <i>Distinguishing Influence from Correlation in Social Networks</i>
<b>9:50-10:05 AM</b>	<b>BREAK</b>	

<b>10:05-10:25 AM</b>	<b>Cosma Shalizi</b> Department of Statistics, Carnegie Mellon University <i>Homophily, Contagion, and Confounding: Pick Any Three</i>
<b>10:25-10:45 AM</b>	<b>Tom Valente</b> Department of Preventive Medicine, University of Southern California <i>Global Diffusion of Tobacco Control</i>
<b>10:45-11:05 AM</b>	<b>David Lazer</b> Kennedy School of Government, Harvard University <i>Distinguishing Between Social Selection and Social Influence: The Value and Limits of Longitudinal Data</i>
<b>11:05 -12:15 PM</b>	<b>General Discussion</b>
<b>12:15 –1:15 PM</b>	<b>LUNCH</b>
<b>Session II: DETERMINANTS OF NETWORK TOPOLOGY (convener: Wasserman)</b>	
<b>1:15 - 1:35 PM</b>	<b>Matt Jackson</b> Department of Economics, Stanford University <i>Identifying Choice and Chance in Network Formation</i>
<b>1:35-1:55 PM</b>	<b>Sanjeev Goyal</b> Department of Economics, University of Cambridge <i>Identifying Preferential Attachment</i>
<b>1:55 – 2:15</b>	<b>Pip Pattison</b> School of Behavioural Science, University of Melbourne <i>Modeling Large Networks</i>
<b>2:15 - 2:35 PM</b>	<b>Garry Robins</b> School of Behavioural Science, University of Melbourne <i>Closure and Brokerage in Statistical Models for Social Networks</i>
<b>2:35 - 2:50 PM</b>	<b>BREAK</b>
<b>2:50 - 3:10 PM</b>	<b>James O'Malley</b> Department of Health Care Policy, Harvard Medical School <i>Using the Framingham Heart Study Social Network to Study How Health Affects Relationships</i>
<b>3:10 – 3:30 PM</b>	<b>Joe Blitzstein</b> Department of Statistics, Harvard University <i>Intersection of Different Network Models and Sampling Schemes</i>
<b>3:30 – 3:50 PM</b>	<b>Barbara Entwisle</b> Department of Sociology, University of North Carolina <i>Implications of Missing Data in Survey-Based Measures of Extended Kin Networks</i>

<b>3:50 – 4:10 PM</b>	<b>Katherine Faust</b> Department of Sociology, University of California, Irvine <i>Graph Constraints and Network Impossibilities, with a Focus on Triads</i>
<b>4:10 – 5:10</b>	<b>General Discussion</b>

**Saturday, November 14**

<b>8:00-8:30 AM</b>	<b>BREAKFAST</b>
<i>Session III: NOVEL METHODS AND APPLICATIONS (convener: Manski)</i>	
<b>8:30-8:50 AM</b>	<b>Peter Bearman</b> Department of Sociology, Columbia University <i>Social Influence and the Increasing Prevalence of Autism</i>
<b>8:50-9:10 AM</b>	<b>Andrés Aradillas-López</b> Department of Economics, University of Wisconsin <i>Identification and Inference Results in Simultaneous Ordered Response Models with Strategic Interactions</i>
<b>9:10-9:30 AM</b>	<b>Chuck Manski</b> Department of Economics, Northwestern University <i>Identification of Treatment Response with Social Interactions</i>
<b>9:30-9:50 AM</b>	<b>Guido Imbens</b> Department of Economics, Harvard University <i>Empirical Models for Strategic Network Formation</i>
<b>9:50-10:10 AM</b>	<b>Miller McPherson</b> Department of Sociology, Duke University <i>Social Effects in Blau Space</i>
<b>10:10-10:25 AM</b>	<b>BREAK</b>
<b>10:25-10:45 AM</b>	<b>Mark Handcock</b> Department of Statistics, University of Washington <i>Methods for Sampling Networks to Extract Information from Them, and Inference from Such Sampled Data</i>
<b>10:45-11:05</b>	<b>Edoardo Airoldi</b> Department of Statistics, Harvard University <i>Statistical Elements of Complex Networks</i>

<b>11:05-11:25 AM</b>	<b>Noshir Contractor</b> McCormick School of Engineering, Northwestern University <i>Does a Group that Fights Together Stay Together? Group Assembly in Massively Multiplayer Online Games</i>
<b>11:25-11:45 AM</b>	<b>Guang Guo</b> Department of Sociology, University of North Carolina <i>Bio-Ancestrally Rooted and Socially-Constructed Racial/Ethnic Identity</i>
<b>11:45-12:15 PM</b>	<b>General Discussion</b>
<b>12:15 –1:15 PM</b>	<b>LUNCH</b>
<b>Session IV: EXPERIMENTAL METHODS (convener: Christakis)</b>	
<b>1:15 – 1:35 PM</b>	<b>Michael Kearns</b> Department of Computer Science, University of Pennsylvania <i>Experiments on Strategic Behavior</i>
<b>1:35 – 1:55 PM</b>	<b>Markus Möbius</b> Department of Economics, Harvard University <i>Field Experiments on Real Networks</i>
<b>1:55- 2:15 PM</b>	<b>Rena Wing</b> Department of Psychiatry, Brown University <i>Network Interventions to Promote Weight Loss</i>
<b>2:15 – 2:30</b>	<b>BREAK</b>
<b>2:30 – 2:50 PM</b>	<b>Esther Duflo</b> Department of Economics, Massachusetts Institute of Technology <i>Diffusion of Knowledge among Farmers in Kenya</i>
<b>2:50– 3:10 PM</b>	<b>James Fowler</b> Department of Political Science, University of California, San Diego <i>Cooperative Behavior Cascades in Human Social Networks</i>
<b>3:10 – 4:30 PM</b>	<b>General Discussion &amp; Conference Wrap-Up</b>