



Facilitating Interdisciplinary Research: Methodological and Technological Innovation in the Behavioral and Social Sciences

Thursday, October 8, 2009

Marriott Bethesda North Hotel and Conference Center | Bethesda, MD

Agenda

Ballroom, Salon D

- 7:30 a.m. *Registration and Continental Breakfast*
- 8:30 a.m. **Welcoming Remarks**
Patricia Grady, Ph.D.
Director, National Institute of Nursing Research, NIH
Nora D. Volkow, M.D.
Director, National Institute on Drug Abuse, NIH
Christine Bachrach, Ph.D.
Acting Director, Office of Behavioral and Social Sciences Research, NIH
- 9:00 a.m. **Panel 1(a): Interdisciplinary Approaches to Methodological Innovation**
Moderators: **Deborah Olster, Ph.D.**
*Office of Behavioral and Social Sciences Research,
Office of the Director, NIH*
Paige McDonald, Ph.D.
Biobehavioral Research Branch, National Cancer Institute, NIH
- 9:05 a.m. **Agent-Based Modeling Methodology**
Barbara Entwisle, Ph.D.
*Kenan Professor, Sociology
Director, Carolina Population Center
University of North Carolina*
- 9:25 a.m. **Novel Methods in Research of Bio-Behavioral Influences on Tumor Development**
Susan K. Lutgendorf, Ph.D.
*Professor, Departments of Psychology, Obstetrics and Gynecology, and Urology
University of Iowa*
- 9:45 a.m. **Cortisol and the Measurement of Stress**
Brisa Sanchez, Ph.D.
*Assistant Research Professor of Biostatistics
School of Public Health
University of Michigan*

- 10:05 a.m. **Discussion**
- 10:15 a.m. ***Break and Networking Session***
- 10:45 a.m. **Panel 1(b): Interdisciplinary Approaches to Methodological Innovation**
Moderators: **Rebecca Clark, Ph.D.**
*Population Research Infrastructure Program,
Eunice Kennedy Shriver National Institute of Child Health
and Human Development, NIH*
Emmeline Edwards, Ph.D.
*Division of External Research, Office of the Director,
National Institute of Neurological Disorders and Stroke, NIH*
- 10:50 a.m. **Non-Linear Models of Behavior**
Katie Witkiewitz, Ph.D.
*Research Scientist
Alcohol and Drug Abuse Institute
University of Washington*
- 11:10 a.m. **Methodology for Adaptive Treatment Strategies**
Susan Murphy, Ph.D.
*H.E. Robbins Professor of Statistics and Research Professor
Institute for Social Research
Professor in Psychiatry
University of Michigan*
- 11:30 a.m. **Designing Studies to Determine Mechanism of Action for Behavioral Innovations**
Matthew K. Nock, Ph.D.
*John L. Loeb Associate Professor of the Social Sciences
Department of Psychology
Harvard University*
- 11:50 a.m. **Discussion**
- 12:00 noon ***Lunch (on your own)***
- 1:30 p.m. **Panel 2(a): Multi-Level Measurement and Technological Advances**
Moderators: **Daofen Chen, Ph.D.**
*Extramural Research Program, National Institute of Neurological
Disorders and Stroke, NIH*
Susan Volman, Ph.D.
*Division of Basic Neuroscience and Behavioral Research,
National Institute on Drug Abuse, NIH*
- 1:35 p.m. **Activity Measurement in a Free-Living Environment**
Stephen Intille, Ph.D.
*Technology Director
Massachusetts Institute of Technology*

- 1:55 p.m. **Building a Cyber-Infrastructure to Facilitate Interdisciplinary Research on Social and Biological Contagion Processes**
Alessandro Vespignani, Ph.D.
*Professor, School of Informatics and Computing
Center for Complex Networks and Systems Research
Pervasive Technology Institute
Indiana University*
- 2:15 p.m. **Measuring Children's Activity in its Social Context**
Sandra Hofferth, Ph.D.
*Professor, Department of Family Science
School of Public Health
Director, Maryland Population Research Center
University of Maryland*
- 2:35 p.m. **Discussion**
- 2:45 p.m. **Panel 2(b): Multi-Level Measurement and Technological Advances**
Moderators: **Paul Cotton, Ph.D.**
Office of Extramural Programs, National Institute of Nursing Research, NIH
Jeffery Evans, Ph.D.
Center for Population Research, Demographic and Behavioral Sciences Branch, NIH
- 2:50 p.m. **A Tool for Assessing Human Action in the Workplace**
John Yiannis Aloimonos, Ph.D.
*Professor, Department of Computer Science
Director, Computer Vision Laboratory
University of Maryland*
- 3:10 p.m. **Behavioral Monitoring and Alteration for Obesity and Diabetes**
Sumi Helal, Ph.D.
*Professor, Computer Science and Engineering Department
Director, Gator Tech Smart House
University of Florida*
- 3:30 p.m. **Dynamic Behavior Data Collections Tool**
William Axinn, Ph.D.
*Research Professor
Institute for Social Research
University of Michigan*
- 3:50 p.m. **Discussion**
- 4:00 p.m. **Reflections and Discussion (introduction to speakers)**
- 4:05 p.m. **Reflections on Methodology**
Linda Collins, Ph.D.
*Director
The Methodology Center
Pennsylvania State University*

4:15 p.m.

Reflections on Technology and Measurement

Lisa Marsch, Ph.D.

*Director, Center for Technology and Health
National Development and Research Institutes
National Institute on Drug Abuse*

4:25 p.m.

Final Group Discussion

Moderators: **Lisa Onken, Ph.D.**

*Division of Clinical Neuroscience and Behavioral Research,
National Institute on Drug Abuse, NIH*

Patricia Mabry, Ph.D.

*Office of Behavioral and Social Sciences Research,
Office of the Director, NIH*

4:45 p.m.

Roadmap Project Poster Session – Salons B and C

7:00 p.m.

Adjournment