

Is Human Fecundity Changing? A Workshop on Our Reproduction, Our Health, and Our Future: Agenda

September 10–11, 2015

Workshop Goals: To provide a forum for trans-disciplinary researchers to discuss the weight of scientific evidence regarding global temporal patterns in human fecundity and to identify strategies for answering questions about associated changes.

Day 1: Understanding Fecundity, Its Impact on Health, and Data Gaps

Thursday, September 10

- 8:00a.m.** **Welcome, Overview, and Workshop Goals**
Moderator: Germaine Buck Louis
- 8:05a.m.** **Why Study Fecundity?**
Tina Jensen
- 8:25a.m.** **Detecting Differences in Fecundity Over Time**
James Trussell
- 8:45.m.** **Questions and Answers**
- 9:00a.m.** **Health Context and Implications of Fecundity**
Moderator: Louis DePaolo
- 9:00a.m. What Our Sperm and Eggs Are Trying to Tell Us: The Relationship Between
Reproductive and Somatic Health
Michael Eisenberg
- 9:20a.m. Fetal Origin of Reproductive Health Problems: The Case of Testicular Cancer
Niels Skakkebaek
- 9:40a.m.** **Questions and Answers**
- 9:50a.m.** **Break**
- 10:00a.m.** **Defining and Measuring Fecundity**
Moderator: Rosalind King
- 10:00a.m. Compositional Changes in Contemporary Human Populations
Josh Goldstein

- 10:25a.m. Population-based Measurement of Fecundity: Considerations for Data Collection and Surveillance
Marie Thoma
- 10:50a.m. Questions and Answers**
- 11:00a.m. Defining and Measuring Fecundity (continued)**
Moderator: Rebecca Clark
- 11:00a.m. Measuring Fecundity: Making the Case for Time-to-Pregnancy Studies
Anne Steiner
- 11:20a.m. Global Total Fertility Rates
Hans Peter Kohler
- 11:40a.m. Questions and Answers**
- 11:50a.m. NICHD Welcoming Remarks**
Alan Guttmacher (Introduced by Germaine Buck Louis)
- 12:20p.m. Lunch**
- 1:20p.m. Global Fecundity**
Moderator: Esther Eisenberg
- 1:20p.m. Identifying the Determinants of Subfecundity in North America: Pregnancy Study Online (PRESTO)
Lauren Wise
- 1:40p.m. Assessment of Couples' Fecundity: Challenges and Lessons from European Experiences
Rémy Slama
- 2:00p.m. East Asian Fecundity
Xiaobin Wang
- 2:20p.m. Revealing Fecundity Trends in Africa Using the Integrated Demographic Health Series
Elizabeth Heger Boyle
- 2:40p.m. Questions and Answers**
- 3:00p.m. Break
- 3:15p.m. Environment and Fecundity**
Moderator: Melissa Smarr
- 3:15p.m. Environment and Fecundity
Danelle Lobdell

- 3:40p.m. Questions and Answers**
- 3:50p.m. Data Gaps: Substantive, Clinical, and Analytical Considerations**
Moderator: Germaine Buck Louis
- 3:50p.m. Population and Clinical Perspective
Daryl Holman and Kurt Barnhart
- 4:15p.m. Questions and Answers**
- 4:30p.m. Panel Discussion**
Moderator: Germaine Buck Louis
- 4:30p.m. Rapporteurs: Weight of Evidence—Declining, Improving, No Change
Katherine Sapro and Melissa Smarr
- 4:45p.m. Questions and Answers**
- 5:00p.m. Adjourn**

Day 2: Path Forward

Friday, September 11

- 8:00a.m. Novel Approaches for Answering Data Gaps**
Moderator: Katherine Sapro
- 8:00a.m. New Ways Forward for Data on Human Fecundity
Rosalind King
- 8:20a.m. Global Resources for Moving the Field Forward
Pam Factor-Litvak
- 8:40a.m. Questions and Answers**
- 8:55a.m. Options for Monitoring Human Fecundity**
Moderator: Lisa Halvorson
- 8:55a.m. Biomarkers of Female Fecundity: Population Level
Clarisa Gracia
- 9:15a.m. Potential Biomarkers of Male Fecundity: Population Level
Paul Turek
- 9:35a.m. Questions and Answers**
- 9:50a.m. Break**

- 10:00a.m. Options for Monitoring Human Fecundity (continued)**
Moderator: Lisa Halvorson
- 10:00a.m. Promising Analytic and Statistical Methods for Filling Data Gaps
Rajeshwari Sundaram
- 10:20a.m. Should We and Can We Monitor Human Fecundity Across the Globe?
Courtney Lynch
- 10:40a.m. Implications of Monitoring or Not
Joseph Stanford
- 11:00a.m. Questions and Answers**
- 11:15a.m. Panel Discussion**
Moderator: Rosalind King
- 11:15a.m. Wrap-up and Forward Strategy
NICHD Panelists: Alicia Christy, Stuart Moss, Sunni Mumford, and Enrique Schisterman
- 11:45a.m. Questions and Answers**
- 12:00p.m. Adjourn**