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**

8:00 a.m. Welcome, Overview, and Workshop Goals
Moderator: Germaine Buck Louis

8:05 a.m. Why Study Fecundity?
Tina Jensen

8:25 a.m. Detecting Differences in Fecundity Over Time
James Trussell

8:45 a.m. Questions and Answers

9:00 a.m. Health Context and Implications of Fecundity
Moderator: Louis DePaolo

9:00 a.m. What Our Sperm and Eggs Are Trying to Tell Us: The Relationship Between Reproductive and Somatic Health
Michael Eisenberg

9:20 a.m. Fetal Origin of Reproductive Health Problems: The Case of Testicular Cancer
Niels Skakkebaek

9:40 a.m. Questions and Answers

9:50 a.m. Break

10:00 a.m. Defining and Measuring Fecundity
Moderator: Rosalind King

10:00 a.m. Compositional Changes in Contemporary Human Populations
Josh Goldstein
10:25 a.m. Population-based Measurement of Fecundity: Considerations for Data Collection and Surveillance  
Marie Thoma

10:50 a.m. Questions and Answers

11:00 a.m. Defining and Measuring Fecundity (continued)  
Moderator: Rebecca Clark

11:00 a.m. Measuring Fecundity: Making the Case for Time-to-Pregnancy Studies  
Anne Steiner

11:20 a.m. Global Total Fertility Rates  
Hans Peter Kohler

11:40 a.m. Questions and Answers

11:50 a.m. NICHD Welcoming Remarks  
Alan Guttmacher (Introduced by Germaine Buck Louis)

12:20 p.m. Lunch

1:20 p.m. Global Fecundity  
Moderator: Esther Eisenberg

1:20 p.m. Identifying the Determinants of Subfecundity in North America: Pregnancy Study Online (PRESTO)  
Lauren Wise

1:40 p.m. Assessment of Couples’ Fecundity: Challenges and Lessons from European Experiences  
Rémy Slama

2:00 p.m. East Asian Fecundity  
Xiaobin Wang

2:20 p.m. Revealing Fecundity Trends in Africa Using the Integrated Demographic Health Series  
Elizabeth Heger Boyle

2:40 p.m. Questions and Answers

3:00 p.m. Break

3:15 p.m. Environment and Fecundity  
Moderator: Melissa Smarr

3:15 p.m. Environment and Fecundity  
Danelle Lobdell
Day 2: Path Forward

Friday, September 11

8:00 a.m. Novel Approaches for Answering Data Gaps
Moderator: Katherine Sapra

8:00 a.m. New Ways Forward for Data on Human Fecundity
Rosalind King

8:20 a.m. Global Resources for Moving the Field Forward
Pam Factor-Litvak

8:40 a.m. Questions and Answers

8:55 a.m. Options for Monitoring Human Fecundity
Moderator: Lisa Halvorson

8:55 a.m. Biomarkers of Female Fecundity: Population Level
Clarisa Gracia

9:15 a.m. Potential Biomarkers of Male Fecundity: Population Level
Paul Turek

9:35 a.m. Questions and Answers

9:50 a.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**