

- 5:00 – 5:25pm **Definition and Measurement of Reproductive Health and Fertility Compromise: Determining Appropriate Endpoints for Study**
Moderator: Linda C. Giudice, MD, PhD, MSc
Lecturer: Shanna H. Swan, PhD
Plenary Q & A
- 5:25 – 5:35 **BREAK**
- 5:35 – 5:55pm **The Bad Actors: What are the Contaminant Classes/Types of Concern for Environmental Reproductive Health?**
Moderator: Philip R. Lee, MD
Lecturer: Linda Birnbaum, PhD, DABT
Plenary Q & A
- 5:55 – 6:15pm **Measurements of Contaminants in People: What Have We Learned? What Can We Conclude?**
Moderator: Philip R. Lee, MD
Lecturer: Richard J. Jackson, MD, MPH
Plenary Q & A
- 6:15 – 6:45pm **KEYNOTE: Environment and the Reproductive Lifespan: Critical Windows of Vulnerability and the Importance of Clinical Collaboration**
Moderator: Philip R. Lee, MD
Keynoter: Lynn Rose Goldman, MD, MPH
Plenary Q & A
- 6:45 – 8:15pm **SUMMIT RECEPTION + POSTERS SESSION I**
 Tapas buffet and refreshment
Ceremony: 7:15pm
Honoree: Theo Colborn, PhD

MONDAY JANUARY 29, 2007 – SCIENCE OVERVIEWS

- 8:00 – 8:05am Recap of Sunday *Speaker:* Andrea C. Gore, PhD
- 8:05 – 8:40am **Genes, Environment and Reproductive Health**
Moderator: Renee A. Reijo-Pera, PhD
Lecturer: Louis J. Guillette, Jr. PhD
Plenary Q & A
- 8:40 **Stand and Stretch BREAK**
- 8:45 – 10:15am **Review I: Fetal and Early Postnatal Environmental Contaminant Exposures and Reproductive Health Effects in the Male ♂**
Session Chair: L. Earl Gray, Jr., PhD
Co-presenters: Richard Sharpe; PhD; Niels E. Skakkebaek, MD
Recent data report: Shanna H. Swan, PhD
Respondent Panel: Laurence S. Baskin, MD; Rex A. Hess, PhD; Gail S. Prins, PhD;

Plenary Q & A/Discussion

10:15 – 10:30

BREAK

10:30 – 11:55am

Review II: Fetal and Early Postnatal Environmental Contaminant Exposures and Reproductive Health Effects in the Female ♀

Session Chair: Kevin G. Osteen, PhD

Co-presenters: Cheryl Lyn Walker, PhD; Teresa K. Woodruff, PhD

Recent data report: Hugh Taylor, MD

Respondent Panel: Warren G. Foster, PhD; Patricia B. Hoyer, PhD; Retha R. Newbold, MS

Plenary Q & A/Discussion

11:55 – 12:00pm

Health-Affected Group Representative Plenary Response to the morning's presentations

Speaker: Mary Lou Ballweg

12:00 – 1:00pm

LUNCH AND LUNCH CIRCLES

Summit participants sign up for Monday lunch circle/topic of choice first come, first served basis during on-site registration beginning Sunday at 12:30pm.

1:05 – 2:20pm

Review III: Science Linking Environmental Contaminant Exposures with Fertility and Reproductive Health Impacts in the Adult Male ♂

Session Chair: Susan Benoff, PhD

Co-presenters: Russ Hauser, MD, ScD, MPH; Rebecca Z. Sokol, MD, MPH

Recent data report: Susan Benoff, PhD

Respondent Panel: Michael P. Diamond, MD; Bernard Robaire, PhD; Paul J. Turek, MD

Plenary Q & A/Discussion

2:20 – 2:30

BREAK

2:30 – 3:40pm

Review IV: Science Linking Environmental Contaminant Exposures with Fertility and Reproductive Health Impacts in the Adult Female ♀

Session Chair: Arthur Leader, MD, FRCSC

Presenter: Pauline Mendola, PhD

Recent data reports: Patricia Hunt, PhD; David L. Keefe, MD

Respondent Panel: Anne R. Greenlee, PhD; Michele Marcus, PhD, MPH

Plenary Q & A/Discussion

3:40-3:45pm

Health Group Representative Plenary Response to the afternoon's presentations

Speaker: Dian Harrison, MSW

3:45 – 3:55

BREAK

3:55 – 4:25pm

Environmental Neuroendocrine and Thyroid Disruption: Relevance for Reproductive Medicine?

Session Chair: Douglas L. Foster, PhD

Lecturer: R. Thomas Zoeller, PhD

Respondent: Andrea C. Gore, PhD

Plenary Q & A/Discussion

4:25 – 4:50pm **Environmental Immune Disruption: A Co-Morbidity Factor for Reproduction?**

Moderator: Linda C. Giudice, MD, PhD, MSc

Lecturer: Sherry E. Rier, PhD

Plenary Q & A/Discussion

4:50 – 5:30pm ***Special Panel:* Environmental Reproductive Health in Disproportionately Impacted Communities: What's The Current "On The Ground" Reality? (Translating Science for Advocacy, and Advocacy for Science)**

Moderator: Kevin Grumbach, MD

Panelists: Ronald Plain; Pamela Miller, M.En; Karen Goodson Pierce; Mark A. Mitchell, MD, MPH

5:35 – 6:35pm **Concurrent Session Options:**

- **Priority Contaminant Reviews** – The very latest data on selected chemicals and heavy metals of priority concern:

Bisphenol A, and Phthalates

Moderator: Tracey Woodruff, PhD, MPH

Presenters: Russ Hauser, MD, ScD, MPH; Frederick vom Saal, PhD

Brominated Flame Retardants, Perfluorinated Compounds, and Heavy Metals

Moderator: Victor Y. Fujimoto, MD

Presenters: Susan Benoff, PhD; Linda Birnbaum, PhD, DABT; Christopher S. Lau, PhD

- **Alterations in Puberty** – For those with a specific interest in puberty onset and progression related effects of exposure to environmental contaminants.

Moderator: Warren G. Foster, PhD

Presenters: L. Earl Gray, Jr., PhD; Sherry G. Selevan; PhD

Respondents: Susan Y. Euling, PhD; Elizabeth A. Guillette, PhD

- **Reproductive Health Advocacy and Justice Meets Environmental Health and Justice** – An introductory forum for reproductive advocacy leaders and others interested in (or already incorporating) environmental health into organizational agendas.

Moderator: Kirsten Moore, MPA

Commentators: Charlotte Brody, RN; Vanessa E. Cullins, MD, MPH, MBA

- **New Tools and Approaches for Understanding Environmental Influences on Disease** – Learn about toxicogenomics, metabolomics, proteomics, and more.

Moderator: Jerrold J. (Jerry) Heindel, PhD

Presenters: David M. Balshaw, PhD; Bruce D. Hammock, PhD.

- **Poster Session II**

Open Evening....*

***Special Event, open to Summit participants and the public @ Delancey Street Screening Room: Film Screening of THE BELOVED COMMUNITY**

A film by Pamela Calvert/Plain Speech; A presentation of Detroit Public Television

7:30 pm reception, 8:00 pm screening

Jointly sponsored by the Program on Reproductive Health and the Environment in the Department of Obstetrics, Gynecology and Reproductive Sciences at the University of California, San Francisco, and the Collaborative on Health and the Environment

Delancey Street Screening Room, 600 Embarcadero (between Bryant and Brannan), San Francisco

In the summer of 2004, Canadian health researchers made a startling discovery in the Aamjiwnaang (Chippewa) birth records for the city of Sarnia, an hour north of Detroit: For the past decade, girl babies had been outnumbering boys at a rate of 2:1. Further investigation revealed large numbers of miscarriages, a cluster of reproductive cancers in young women, and widespread neurological problems among the band's children. THE BELOVED COMMUNITY looks at a Great Lakes oil town facing a toxic legacy head-on.

This screening is a presentation of the UCSF-CHE Summit, and is co-sponsored by Literacy for Environmental Justice and Pesticide Action Network. Admission is free; seating is limited. Special Guest: Ronald Plain, Environment Committee, Aamjiwnaang First Nation.

TUESDAY JANUARY 30, 2007 – IMPLICATIONS OF THE SCIENCE

8:00 – 8:05am Recap of Monday *Speaker:* Richard Sharpe, PhD

8:05 – 8:50am **Review V: Environmental Contaminants and Pregnancy Outcomes: Exposure Associations with Prematurity, IUGR, Low Birth Weight, Stillbirth**
Session Chair: Brenda Eskenazi, PhD
Lecturers: Laura Fenster, PhD; Gayle C. Windham, PhD; MSPH
Respondent: Sherry G. Selevan, PhD
Plenary Q & A/Discussion

8:50 – 9:15am **So What Can We Say About Periconception as a Critical Window? Advising the Pregnancy Planning Couple**
Moderator: Victor Y. Fujimoto, MD
Lecturer: Germaine M. Buck Louis, PhD
Plenary Q & A/Discussion

9:15 – 9:20 **BRIEF STAND AND STRETCH BREAK**

9:20 – 12:00 **THE VILLAGE GREEN/PLENARY CONVERSATIONS ON STAGE***

Plenary attendees will be invited to add their perspectives to the conversations initiated on stage. Lively trans-discipline exchange of ideas and debate on the implications of the science, and critical environmental reproductive health issues and practice – among researchers, health professionals, patient and community leaders, policy makers, funders, and other Summit participants.

9:20 – 10:00am Conversation I: **Current Evidence Concerning Environmental Reproductive Health: Medical Recommendations and Practice** (What do health professionals *do* based on current evidence?)
Moderator: Ted Schettler, MD
Conversationalists: Charlotte Brody, RN; Jewel L. Crawford, MD; Joseph C. Isaacs, MSPH; Ruth Shaber, MD; Gina Solomon, MD, MPH

10:00 – 10:30am Conversation II: **Environmental Health Science in Health Professional Education: A Conversation Among Deans**
Moderator: Nancy Milliken, MD

Jointly sponsored by the Program on Reproductive Health and the Environment in the Department of Obstetrics, Gynecology and Reproductive Sciences at the University of California, San Francisco, and the Collaborative on Health and the Environment

Conversationalists: Kathleen A. Dracup, RN, FNP, DNSc, FAAN; David A Kessler, MD; David Lambert, MD

10:30 – 10:45

BREAK

10:45 – 11:15am

Conversation III: **Reproductive Health Clinicians and Scientists Discuss What They Need and Can Learn From Each Other – and How They Can Collaborate to Advance Their Work and the Field**

Moderator: Andrea C. Gore, PhD

Conversationalists: Jerrold J. (Jerry) Heindel, PhD; Hugh S. Taylor, MD; other(s) TBA

11:15 – 11:45am

Conversation IV: **Environmental Reproductive Health Research, the Media and Public Perception** (The power and responsibility of the media in shaping public understanding; What researchers and journalists wish the other paid more attention to...)

Moderator: John Peterson Myers, PhD

Conversationalists: Marla Cone; Douglas Fischer; Tyrone B. Hayes, PhD; Jane Kay

11:45 – 12:15pm

Conversation V: **Our Federal Government and Environmental Reproductive Health: Priorities, Commitments and Challenges**

Moderator: Sally Perreault Darney, PhD

Conversationalists: Christopher T. De Rosa, MS, PhD; Elaine Z. Francis, PhD; William J. Martin II, MD

12:15 – 1:10pm

LUNCH

Why Birds and Bees Really Are Part of the Story: An Ecologist's View on Reproductive Health and Fertility

Introduction: Devra Davis, PhD, MPH

Speaker: **Sandra Steingraber, PhD**, Author of *Having Faith: An Ecologist's Journey to Motherhood* and *Living Downstream: A Scientist's Personal Investigation of Cancer and the Environment*.

1:15 – 2:45pm

What's Next? BREAK-OUT DISCUSSION/STRATEGIC PLANNING GROUPS
Breakout group sign-up begins on a first come, first served basis at registration on Sunday, January 28th

Summit participants gather in 5 smaller topic-based groups to digest/discuss the implications of the science and issues raised during the, and to outline potential agendas, collaborative initiatives, or other “next steps.” Groups will be led by advance-prepared co-leaders, who will be responsible for composing a written summary of their breakout group discussion and conclusions immediately following the Summit. UCSF's Program on Reproductive Health and the Environment may coordinate working groups and collaborative initiatives that are inspired by or shaped in breakout groups, as appropriate.

(1) HELPING HEALTH PROFESSIONALS AND PATIENT ADVOCATES COMMUNICATE RISKS OF REPRODUCTIVE/ DEVELOPMENTAL TOXICANTS: What do health professionals and advocates do based on the evidence to date? How do they decide what to communicate about? What do health professionals need in order to translate current evidence to the clinic?

Leaders: *Mark Miller, MD; Julia Quint, PhD*

(2) CRITICAL RESEARCH DIRECTIONS AND COLLABORATIONS: What are the most critical research directions/tools this meeting has identified? What are key research areas that basic scientists and epidemiologists, clinical researchers, and patient/community representatives might work on together? (What key questions would such research efforts address?)

Leaders: *Andrea Gore, PhD; Sarah J. Janssen, MD, PhD, MPH*

(3) IDENTIFYING POLICY PRIORITIES: What are the priority areas that can be pursued through the policy process? What are important next steps in addressing policy needs?

Leader: *Miriam F. Gordon; Tracey Woodruff, PhD, MPH*

(4) REPRODUCTIVE HEALTH ADVOCACY AND JUSTICE MEETS ENVIRONMENTAL HEALTH AND JUSTICE: The nexus between women's and family health, reproductive rights/justice, and environmental health and justice.

Leaders: *Rivka Gordon, PA-C, MHS; Kirsten Moore, MPA*

(5) SAFE WORK: What do we know/need to know about the risks of working with reproductive and developmental toxicants? What are the implications of the scientific evidence for working people and their representatives/advocates? How does/can environmental health science factor into the agendas of organizations representing labor and working people? How can environmental health science support organizations serving the needs of working people?

Leaders: *Amanda Hawes, JD; Catherine Porter, JD*

2:45 – 3:00

BREAK and * BREAKOUT SESSION LEADERS WRITE-UP TIME *

3:00 – 3:40pm

PLENARY INTERVIEWS WITH BREAKOUT GROUP LEADERS

Moderator: Michael Lerner, PhD

Leaders of each Breakout Group discuss in a town hall format the most important, surprising and inspiring take-aways/next steps from their groups.

Plenary comment, question and interaction

3:40 – 4:10pm

WRAP DISCUSSION AND STRATEGIC PLANNING SYNTHESIS

Chairs/Vice-Chairs synthesize key issues, points, challenges, agendas gleaned from report back interview session, with input invited from the plenary, and an eye toward the future...

Moderators: Linda C. Giudice, MD, PhD, MSc, Philip R. Lee, MD/ Michael Lerner, PhD

Panelists: TBA

Plenary comment, question and interaction

4:10 – 4:15pm

Summit Closing Remarks

Linda C. Giudice, MD, PhD, MSc

POST-SUMMIT

4:45 – 6:15pm

FERHC Meeting (Invitational, onsite; Late afternoon refreshment and light finger foods provided) Relevant reproductive biology, toxicology and medicine society representatives to a proposed Federation of Environmental Reproductive Health Committees meet to discuss and plan coordination among environment committee leaders (official or ad hoc) across the spectrum of engaged societies.

Facilitator: Linda C. Giudice, MD, PhD, MSc