

UCSF – CHE SUMMIT
ON ENVIRONMENTAL CHALLENGES TO
REPRODUCTIVE HEALTH AND FERTILITY



January 28-30, 2007

Mission Bay Campus Conference Center, University of California, San Francisco

Lunch Conversation Circles – Monday, January 29, 2007 12:00-1:00pm

Research Related:

1. Biomonitoring: Measuring Contaminants in People, led by *Sharyle Patton and Davis Baltz, Commonwealth, CA*. Measurement of chemical concentrations in the body is a rapidly advancing field that will provide important new data on human exposures to chemicals in the environment.

2. Why and How a Clinical Endocrinology Research Group Began Studying Endocrine Disrupters, led by *Niels Skakkebaek, MD, National University Hospital, University of Copenhagen, Denmark*. Clinical management of children and young men with reproductive health problems goes hand in hand with basic research projects in our department.

3. Research at UCSF's New Program on Reproductive Health and the Environment (PRHE), led by *Victor Fujimoto, MD, UCSF Dept Obstetrics, Gynecology & Reproductive Sciences*. PRHE brings together UCSF clinicians and scientists to conduct translational research in the area of environmental reproductive health. Discussion will focus on bridging the scientific and clinical communities.

4. Fetal/ Early Postnatal Life Events that Determine Adult Male Reproductive Function, led by *Richard Sharpe, PhD, Queen's Medical Research Institute, Scotland*. Human and animal data indicate that adult testis function (spermatogenesis, steroidogenesis) is predetermined by early developmental events that determine somatic cell numbers and function in the adult testis; also, androgen's perinatal role.

5. Issues in Phthalate Analysis, led by *Michael Diamond, MD, Wayne State University, and Julie Wirth, PhD, MS, Michigan State University Dept of Epidemiology*. Review of the best and/or most appropriate method for adjusting for urine dilution: adjusting individual values or including the adjustment variable in the model.

6. Emerging Issues in Reproductive Environmental Toxicant Research, led by *Warren G. Foster, PhD, Centre for Reproductive Care, McMaster University, Canada*. An exploration of cellular and molecular mechanisms of environmental toxicant-induced function modulation in estrogen-sensitive tissues, and disease development.

7. Estrogen-disrupting Prenatal Exposures and Male Reproductive Disorders and Infertility, led by Paul English, PhD, MPH, CA Dept of Health Services. The relationships between prenatal exposures to endogenous and exogenous hormones and risks of testicular cancer, other male reproductive disorders, and infertility.

8. Endometriosis and Dioxin: What Do Studies from the Bench to the Bedside Tell Us? Led by Kevin Osteen, PhD, Vanderbilt University Women's Reproductive Health Research Center. Human and animal study data suggest that dioxin and related toxicants may pose a significant risk related to the development of endometriosis.

9. Bisphenol A and Increased Risk for Prostate Neoplasia, led by Gail S. Prins, PhD, Dept of Urology, University of Illinois, Chicago. Dr. Prins presents her recent research findings.

10. Should We Be Concerned About Male Mediated Developmental Toxicity? led by Bernard Robaire, PhD, Dept of Pharmacology and Therapeutics, McGill University, Canada. Dr. Robaire presents his recent research findings.

11. Breast Cancer and Environment Research Centers (BCERC) Investigating Early Environmental Exposures, led by Robert A. Hiatt, MD, PhD, UCSF Department of Epidemiology and Biostatistics, and Lawrence H. Kushi, ScD, Kaiser Permanente Division of Research. The BCERC Network's epidemiological and biological studies on the influence of early environmental exposures on mammary gland development and the potential of these exposures to alter breast cancer risk.

12. Assessing Reproductive Effects of Arsenic in Drinking Water in Rural India, led by Ondine Solveig von Ehrenstein, PhD, MPH, MSc, UC Berkeley School of Public Health. Methodological considerations and recent findings on effects of arsenic in well water on pregnancy outcomes and fertility in West Bengal villages.

13. CHE's Toxicant and Disease Database, and Online Abstracts and News Libraries, led by Sarah Janssen, MD, PhD, MPH, Natural Resources Defense Council. CHE's science-based, searchable database summarizes links between chemical contaminants and approximately 180 human diseases or conditions. CHE's Online Abstracts and News Libraries, developed with EnvironmentalHealthNews.org, catalogue research and news stories related to environmental chemical factors in fertility and early pregnancy compromise.

Clinical Care, Public and Community Health Related

14. Changing Chemical Policies: Key to Protecting Human Health, led by Barbara Sattler, DrPH, RN, FAAN, University of Maryland School of Nursing Environmental Health Center. An exploration of why and how health professionals, researchers, community leaders and advocates can learn about and join state and national efforts to improve chemical policies.

15. Preconception Care: Integrating Environmental Health with Medical Practice, led by Michele G. Curtis, MD, University of Texas-Houston Dept of Obstetrics, Gynecology and

Reproductive Sciences; Fellow, American College of Obstetrician-Gynecologists(ACOG).

Environmental effects on women and men's health in relation to future pregnancy is now beginning to be understood; this conversation explores what we need to know and how to use that information to create sound health care policies.

16. Community Youth as Environmental Health Educators: Ma'at Youth Academy, Richmond, CA, *led by Sharon Fuller, Executive Director, and Fredericka Bryant, a Ma'at EH Educator.* A discussion of how Ma'at's young adults and teens educate their community regarding local and wider environmental health challenges, and build community advocacy and action for positive change.

17. Environmental Reproductive Health and the American Fertility Association, *led by Lisa Rosenthal, MA, AFA Deputy Director.* An overview of environmental health aspects of AFA's approach to fertility preservation, including long-term planning to protect childbearing capacities and lifetime reproductive health.

18. Kaiser Permanente Northern CA's Plans and Perspectives on Environmental Reproductive Health, *led by Debbie Postlethwaite, MPH, RNP, Kaiser Permanente Northern CA Regional Women's Health.* A summary of Nor-CA Kaiser's current and future programs and tools for health professional training and patient care and education on environmental reproductive health.

Environmentally Sustainable Products and Processes

19. Green Chemistry: Toward an Environmentally Sustainable Chemical Industry and Products, *led by Terry Collins, PhD, Carnegie Mellon University Institute for Green Oxidation Chemistry.* Designing against reproductive and development-disrupting chemicals—the promise and practice of “Green Chemistry.”