

Endocrine Disruptors in the Environment: A U.S. EPA Science To Achieve Results (STAR) Progress Review

Tampa Marriott Waterside Hotel
700 S Florida Avenue, Tampa, FL 33602
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November 16, 2008

Draft Agenda

Meeting Purpose: The U.S. Environmental Protection Agency (EPA) and the National Center for Environmental Research (NCER) is holding a public meeting in conjunction with the SETAC North America Annual Meeting to review progress on characterizing sources of exposure and environmental impacts of endocrine disruptors. This meeting provides the opportunity for researchers to discuss recent findings, common methodological issues, and upcoming investigations on endocrine disruptors in the environment.

- 8:00 a.m. – 8:30 a.m.** **Registration**
- 8:30 a.m. – 8:45 a.m.** **Welcome**
Elaine Francis, National Program Director for Endocrine Disruptors Research
- Introduction—Endocrine Disruptors in the Environment**
Susan Laessig, EPA, NCER
- 8:45 a.m. – 10:30 a.m.** **Assessing Aquatic Exposure to Endocrine Disrupting Chemicals (EDCs)**
- 8:45 a.m. – 9:15 a.m. **Methods To Measure Indicators of Exposure in Real-World Aquatic Environments**
Jim Lazorchak, EPA, National Exposure Research Laboratory
- 9:15 a.m. – 9:45 a.m. **Developing Rapid Assessment Tools To Evaluate the Biological Effects of Complex and Biologically Active Mixtures**
Heiko Schoenfuss, St. Cloud State University
- 9:45 a.m. – 10:30 a.m. **Development of Receptor- to Population-Level Analytical Tools for Addressing EDC Exposure in Wastewater-Impacted Estuarine Systems**
Lee Ferguson, University of South Carolina
- 10:30 a.m. – 10:45 a.m.** **Break**
- 10:45 a.m. – 12:15 p.m.** **Innovative Methods for Rapid Detection**
- 10:45 a.m. – 11:15 a.m. **Systems Approach To Assessing Cumulative Exposure to EDCs**
Gerald LeBlanc, North Carolina State University
- 11:15 a.m. – 11:45 a.m. **Integrated Microfluidics, Bioreporting, Separations, Vibrational Spectroscopy, and Microcantilever Nanomechanical Evaluation of EDCs (LTG-2)**
Michael Sepaniak, University of Tennessee
- 11:45 a.m. – 12:15 p.m. **Rapid Detection of Trace Endocrine Disrupting Chemicals in Complex Mixtures: A Full-Spectrum Deconvolution Technique With a UV-Transparent Passive Concentrator**
Tohren Kibbey, University of Oklahoma
- 12:15 p.m. – 1:15 p.m.** **Lunch** (on your own)

1:15 p.m. – 3:15 p.m.	Fate and Effects of Hormones in Animal Waste—Cattle, Swine, and Poultry
1:15 p.m. – 1:45 p.m.	Integrated EPA Studies on EDCs in CAFOs <i>Vickie Wilson</i> , EPA, National Health and Environmental Effects Research Laboratory
1:45 p.m. – 2:15 p.m.	Persistence and Discharge of Hormones From Tile-Drained Fields Receiving Animal Wastes and Their Impact to Aquatic Organisms <i>Linda Lee</i> , Purdue University
2:15 p.m. – 2:45 p.m.	Effects of Cattle Manure Handling and Management Strategies on Fate and Transport of Hormones in the Feedlot and the Field <i>Daniel Snow</i> , University of Nebraska, Lincoln
2:45 p.m. – 3:15 p.m.	Transport and Transformation of Natural and Synthetic Steroid Hormones at Beef Cattle and Dairy Concentrated Animal Feeding Operations (CAFOs) <i>Edward Kolodziej</i> , University of Nevada, Reno
3:15 p.m. – 3:30 p.m.	Break
3:30 p.m. – 5:30 p.m.	Fate and Effects of Hormones in Animal Waste—Cattle, Swine, and Poultry (<i>continued</i>)
3:30 p.m. – 4:00 p.m.	Assessing Occurrence, Persistence, and Biological Effects of Hormones Released From Livestock Waste <i>Jocelyn Hemming</i> , University of Wisconsin, Madison
4:00 p.m. – 4:30 p.m.	An Integrated Approach To Developing a Total Facility Estrogen Budget at a Swine Farrowing CAFO <i>Seth W. Kullman</i> , North Carolina State University
4:30 p.m. – 5:00 p.m.	Fate of Hormones in Waste From Concentrated Broiler Feeding Operations <i>Miguel L. Cabrera</i> , University of Georgia
5:00 p.m. – 5:30 p.m.	Environmental Transport, Fate and Ecological Effects of Steroids From Agricultural Application of Poultry Litter and Watershed Scale Evaluations of Existing and Novel Management Strategies <i>Lance Yonkos</i> , University of Maryland
5:30 p.m.	Adjournment

Post Meeting Social Activity - To be Discussed