25 Years of Endocrine Disruption Research: Past Lessons and Future Directions

A Celebration of the People and the Science

September 18-20, 2016

Agenda

National Institutes of Health • U.S. Department of Health and Human Services
September 18, 2016
Grand Ballroom, Bethesda Marriott

6:00 p.m.  Welcome, Thad Schug, National Institute of Environmental Health Sciences (NIEHS)
6:05 p.m.  A Brief History of Endocrine Disruption, Linda Birnbaum, NIEHS
6:35 p.m.  A Personal Story of EDCs and the People, Pete Myers, Environmental Health Sciences
7:15 p.m.  Recollections of Wingspread by Attendees, Pete Myers, John McLachlan, Michael Fry, Fred vom Saal
7:45-9:00 p.m. Reception

September 19, 2016
Masur Auditorium, National Institutes of Health (NIH) Main Campus

7:10 a.m.  Bus to NIH Main Campus
8:30 a.m.  Meeting Overview, Thad Schug, NIEHS
8:35 a.m.  Session 1: Scientific Principles Underlying EDCs
            Chair: Ken Korach, NIEHS
8:35 a.m.  Chair Overview
8:45 a.m.  What EDCs Tell Us About Cell Signaling, John McLachlan, Tulane University
9:05 a.m.  EDCs: Why They Are Different Than “Normal Chemicals,” Scott Belcher, N.C. State University
9:30 a.m.  Wildlife and Implications for Humans, David Crews, The University of Texas at Austin
9:50 a.m.  EDCs and Steroid Receptors Across Species, Taisen Iguchi, Yokohama City University
10:10 a.m. Break
10:30 a.m. Session 2: The Mechanisms and Health Effects of EDCs
            Chair: Gail Prins, University of Illinois College of Medicine at Chicago
10:30 a.m. Chair Overview
10:40 a.m. Female Reproduction: Mechanisms and Effects of EDCs
            Tracey Woodruff, University of California, San Francisco
11:00 a.m. Male Reproduction: Testicular Germ Cell Cancer as a “Whistleblower” of Endocrine Disruption
            Niels Skakkebaek, Rigshospitalet, University of Copenhagen
11:35 a.m. EDCs, NRs, and Mechanisms of Metabolic Disease, Bruce Blumberg, University of California, Irvine
Noon      What We Have Learned From the Seveso Explosion, Brenda Eskanazi, University of California, Berkeley
12:30 p.m. Lunch (Preorder box lunches)
1:30 p.m.  Session 3: EDC Testing and Biomonitoring
            Chair: Kris Thayer, NIEHS/National Toxicology Program (NTP)
1:30 p.m.  Chair Overview
1:35 p.m.  In Vitro High-throughput Screening and Computational Models, Nicole Kleinstreuer, NIEHS/NTP
1:55 p.m.  An Overview of the U.S. Environmental Protection Agency (EPA) Endocrine Disruptor Screening Program – From the Past to the Future, Amy Blankinship, EPA
2:15 p.m.  CLARITY-BPA, a Potential New Approach to Guideline Studies
            Luisa Camacho, National Center for Toxicological Research/FDA
2:35 p.m.  Discussion
2:55 p.m.  Break
3:15 p.m.  Session 4: Lessons Learned From EDC Research
            Chair: David Gee, Brunel University London
3:15 p.m.  Chair Overview
3:25 p.m.  The DES Story, Elizabeth Hatch, Boston University
3:45 p.m.  Safer Products and Workplaces, Meredith Williams, California EPA
What's on Your X-axis? Does Exposure Data and Dosimetry Influence the Impact and Effectiveness of Environmental Health Research?
Justin Teeguarden, Pacific Northwest National Laboratory

What Can Prospective Birth Cohort Studies Tell Us About Endocrine Disrupting Chemicals?
Joe Braun, Brown University

Developmental (Re)programming of the Epigenome by EDCs
Cheryl Walker, Baylor College of Medicine

Bus to Hotel

Poster Session, Marriott, Grand Ballroom, Pooks Hill Road, Bethesda, Maryland

September 20, 2016
Masur Auditorium, NIH Main Campus

Session 5: Bridging the Gap: Effects Across Species and Generations
Chair: Shanna Swan, Icahn School of Medicine at Mount Sinai
Pharmaceuticals as EDCs: Evidence Across Species

Chair Overview and Presentation

DDT Effects Across Species, Michele La Merrill, University of California, Davis
PCB Liver Toxicity in Animals and Humans, Matt Cave, University of Louisville
Transgenerational Effects of EDCs and Epigenetic Inheritance, Martha Susiarjo, University of Rochester
Break

Session 6: Translating Science to Action
Chair: Carol Kwiatkowski, TEDX

Chair Overview

Communicating EDC Issues to Consumers, Ken Cook, Environmental Working Group
Europe's Approach to Regulating EDCs – An NGO Perspective, Ninja Reineke, CHEM Trust
Walmart’s Sustainable Chemistry Initiative, Katherine Neebe, Walmart
Strategies for Reducing EDCs in Building Materials, Bill Walsh, Healthy Building Network
Shifting the Paradigm of Determining Ingredient Safety: From Ideation Through Formulation, Nicole Acevedo, Beautycounter
Lunch (Preorder box lunches)

Session 7: Safer Chemicals and Better Research Strategies
Chair: Sue Fenton, NIEHS

Chair Overview

Purifying Water of Endocrine Disrupting Micropollutants, Terry Collins, Carnegie Mellon University
Predictive Toxicology Approaches for Product Development, Reza J. Rasoulpour, Dow AgroSciences
Replacement Chemicals, Steven Hentges, American Chemistry Council
Novel Designs for Human Studies on EDCs, Russ Hauser, Harvard University
Break

Session 8: The Next 25 Years: A Discussion on a Safer Future
Moderator: Heather Patisaul, N.C. State University
Daland Juberg, Dow AgroSciences
Andrea Gore, The University of Texas at Austin
John McLachlan, Tulane University
Carol Kwiatkowski, TEDX

Final Remarks, Linda Birnbaum, NIEHS
The NIEHS 50th Anniversary events have been made possible with the support of the Foundation for the National Institutes of Health and its generous donors

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Bayer Crop Science
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The Endocrine Disruption Exchange (TEDX)
University of California San Francisco Program on Reproductive Health and the Environment
The University of Texas at Austin College of Pharmacy

Thank You!