



2020 PPTOX-VII

International Conference on Prenatal Programming and Toxicity

September 30th–October 3rd, 2020
Chicago, IL, USA

2020 Program Schedule

Wednesday, September 30th

12:00–5:00pm **Early Registration and Check In**

1:00–5:00pm **Trainee Workshop**
Jerry Heindel and Laura Vandenberg host this trainee-focused workshop that introduces key concepts in developmental reprogramming, environmental toxicants and careers in this expanding field. Several leading scientists will participate in this interactive forum.

Jerry Heindel and Laura Vandenberg

5:00pm **Welcome**

Gail Prins and Philippe Grandjean

5:00–6:00pm **Opening Keynote Lecture: The Role of Research to Secure the Health of Future Generations**

Linda Birnbaum
NIEHS, USA

6:00–7:30pm **Opening Reception**

Thursday, October 1st

7:00–8:00am **Registration and Check In**

8:00–8:15am **Welcome Remarks/Overview**

Chairs: Leslie Stayner and Mary Turyk
University of Illinois at Chicago, USA

Plenary Session 1: Routes of Early-Life Exposures

8:15–8:45am **Neighborhood Pesticide Exposures**

Mary Ward
National Cancer Institute, USA

8:45–9:15am **Hazards from Food Wrapping Materials**

Jane Muncke
Food Packaging Forum Foundation,
Switzerland

9:15–9:45am **PFAS Exposures Through Drinking Water**

Detlef Knappe
North Carolina State University, USA

9:45–10:00am **Short Talk from Abstracts**

10:00–10:30am **Break**



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Thursday, October 1st *(continued)*

Plenary Session 2: Toxicity Measures During Neonatal Feeding

10:30am	Introduction	Chair: Margaret R. Karagas Dartmouth University, USA
10:35-11:05am	MicroRNA in Breast Milk as a Predictor of Developmental Toxicity	Andrea Baccarelli Columbia University, USA
11:05-11:35am	Breastfeeding Capacity as a Vulnerable Function	Amalie Timmermann University of Southern Denmark
11:35am-12:05pm	Perinatal Vulnerability to Flouride: Why the F* in Formula?	Christine Till York University, Canada
12:05-12:25pm	Short Talk from Abstracts	
12:30-2:00pm	Lunch	

Plenary Session 3: Populations at Risk

2:00-2:05pm	Introduction	Chair: Henry Anderson University of Wisconsin
2:05-2:35pm	Arctic Populations at Increased Risk	Pal Weihe University of the Faroes, Faroe Islands
2:35-3:05pm	Intervention Strategies for Vulnerable Minority Populations	Susan Buchanan University of Illinois at Chicago, USA
3:05-3:35pm	TBA	
3:35-3:55pm	Short Talk from Abstracts	
4:00-6:00pm	Poster Session	



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Friday, October 2nd

8:00–9:00am Registration and Check In

Plenary Session 4: Systems-Wide Developmental Toxicity

9:00–9:05am	Introduction	Chair: Andrea Gore University of Texas, USA
9:05–9:35am	Latent Neurotoxicity from Developmental Exposure to Air Pollution	Lillian Claderon-Garciduenas University of Montana, USA
9:35–10:05am	Developmental Heavy Metals Exposure Alters Metabolism	Robert Sargis University of Illinois at Chicago, USA
10:05–10:35am	Xenopus as an Experimental Organism for Developmental Immunotoxicology	Jacques Robert Rochester University, USA
10:35–10:50am	Short Talk from Abstracts	
10:50–11:15am	Break	

Plenary Session 5: Genomics and Epigenomics in Developmental Toxicology

11:15–11:20am	Introduction	Chair: Cheryl Walker Baylor, USA
11:20–11:50am	Using Placental Genomics to Understand Prenatal Programming	Carmen Marsit Emory University, USA
11:50am–12:20pm	Epigenetic Effects on Sperm: Sensitive Windows of Exposure and Implications	Jacquetta Trasler McGill University, Canada
12:20–12:40pm	Early Life Impact on Imprinted Genes	Martha Susiarjo Rochester University, USA
12:40–2:00pm	Lunch	

Plenary Session 6: Reproductive Impacts

2:00–2:05pm	Introduction	Chair: Pat Hunt Washington State University, USA
2:05–2:35pm	Endocrine Disruption from Short-Acting Substances	Jodi Flaws University of Illinois – Urbana, USA
2:35–3:05pm	Epigenetic Impacts on the Paternal Germline	J Richard Pilsner University of Massachusetts, USA
3:05–3:35pm	Mesenchymal Stem Cells as EDC Targets that Drive Uterine Fibroids in Adulthood	Ayman Al-Hendy University of Chicago, USA
3:35–3:50pm	Short Talk from Abstracts	
4:00–6:00pm	Poster Session	



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Saturday, October 3rd

7:30–8:00am Registration and Check In

Plenary Session 7: Developmental Windows of Vulnerability

8:00–8:05am	Introduction	Chair: Paige Lawrence Rochester University, USA
8:05–8:35am	Variability in Critical Periods of Development	Takao Hensch Harvard University, USA
8:35–9:05am	Preconceptional Exposure to Chemicals	Joseph Braun Brown University, USA
9:05–9:35am	Pregnancy as a Critical Window for the Mother: Oxybenzone and Mammary Cancer Risk	Laura Vandenberg University of Massachusetts, USA
9:35–10:05am	Prenatal EDC Exposures and Timing of Puberty in Boys and Girls	Kim Harley UC-Berkeley, USA
10:05–10:30am	Break	

Plenary Session 8: Transgenerational Impacts

10:30–10:35am	Introduction	Chair: Jerry Heindel Commonwealth and HEEDS, USA
10:35–11:05am	Lessons Learned from DES	Elizabeth Hatch Boston University, USA
11:05–11:35am	Transgenerational Inheritance	Patrick Allard UCLA, USA
11:35am–12:05pm	Effects of Prenatal Obesogen Exposure Echo Down the Generations	Bruce Blumberg UC-Irvine, USA
12:05–12:20pm	Short Talk from Abstracts	
12:20–1:15pm	Lunch	

Plenary Session 9: PPTOX Research Moving Forward

1:15–1:45pm	Can the Experimental Enterprise Become Sustainable when Everyday-Everywhere Chemicals Exhibit Developmental Toxicity?	Terrence Collins Carnegie Mellon University, USA
1:45–2:15pm	Experimental Approaches to Complex Exposures	Andreas Kortenkamp Brunel University, London, UK
2:15–2:30pm	Visions for the Future	Philippe Grandjean Harvard University, USA and Denmark