



Spring 2014 ITEHP Symposium

Cognitive Impairment Caused by Developmental Neurotoxic Exposure: Mechanisms, Consequences and Therapeutic Treatment

March 7, 2014, Searle Center Lecture Hall, Duke University

- 8:30-9:00 Breakfast and Registration
- 9:00-9:15 Welcome and Introduction: Edward D. Levin, Ph.D. and Susan K. Murphy, Ph.D., Duke University
- 9:15-10:00 **The vulnerable developing human brain is impacted by toxic environmental exposures**
Phillip Landrigan, M.D., M.Sc., Mt. Sinai School of Medicine
- 10:00-10:45 **Molecular epidemiology and the impacts of prenatal and early childhood exposure to environmental neurotoxicants in a New York City Cohort**
Dr. Frederica Perera, Dr.P.H., Ph.D., Columbia University
- 10:45-11:00 Break
- 11:00-11:30 **The societal and economic costs of cognitive and behavioral impairments due to developmental neurotoxicity across the lifespan: The case of lead**
Kim Dietrich, Ph.D., M.A., University of Cincinnati
- 11:30-12:00 **Unpacking the ADHD phenotype: Relevance for understanding the effects of environmental exposures**
Scott Kollins, Ph.D., Duke University
- 12:00-1:00 Lunch
- 1:00-1:30 **Long-term cognitive impacts from early life exposure to pesticides and nicotine in rats and zebrafish**
Edward D. Levin, Ph.D., Duke University
- 1:30-2:00 **Nicotine, tobacco and brain development, from fetus to adolescent: Finding the smoking gun**
Theodore A. Slotkin, Ph.D., Duke University
- 2:00-2:30 **Cognitive and behavioral effects of developmental exposure to manganese and stress in rats**
Charles Vorhees, Ph.D., Cincinnati Children's Hospital
- 2:30-3:00 Discussion