



DNTS

Developmental
Neurotoxicology
Society

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2021 – DNTS Virtual Meeting Schedule

For all DNTS virtual meetings, Zoom links will be sent via email to all members.

Joint Events with BDRP and OTIS require advanced registration. Instructions will be sent by email.

Date	Topic
February 4, 2021 7:00-8:30pm EST	Member Social Hour <i>Do you know your DNTS colleagues ? It'll be a (ka)hoot ☺</i>
February 25, 2021 7:00-8:30pm EST	Elsevier Distinguished Lecture Teresa Reyes - Associate Professor, University of Cincinnati, College of Medicine, Department of Pharmacology and Systems Physiology <i>Setting the stage: How diet and neuroimmune factors in early life shape cognitive development</i>
March 18, 2021 7:00-8:30pm EST	Mentoring Workshop <i>Pathways to Science: Career Mentoring: Early/Mid and Tracks</i> This workshop is aimed at providing an opportunity for early-career scientists to learn about a variety of career paths available within the field of developmental neuroscience and neurotoxicology. Panelists from academia, government agencies, and industry will discuss their experiences providing junior scientists with valuable information about career options.
April 8, 2021 7:00-8:30pm EST	DNTS Symposia <i>Neurodevelopmental Underpinnings and Consequences of Drug Exposures</i> Presenters: <ul style="list-style-type: none">• Gregg Stanwood – Florida State University, Tallahassee FL <i>Developmental Drug Exposures – Cause and Effect</i>• Beth Ann Rice – Slippery Rock University, Slippery Rock PA <i>The Role of Stress Hormones in an Animal Model of Addiction-Like Behavior (Sign Tracking)</i>• Amy McRae-Clark - Medical University of South Carolina, Charleston SC <i>Oxytocin, Stress, and Addictive Disorders: Clinical Implications</i>

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- Pradeep Bhide – Florida State University College of Medicine, Tallahassee FL
Developmental and Transgenerational Consequences of Nicotine Exposure

May 4, 2021

12:30-2:30pm EST

Joint Webinar – DNTS and BDRP

Developmental Neurotoxicity of Methylmercury

Presenters:

- Michael Garry, Exponent
Methylmercury and Developmental Neurotoxicity: Historical Context and Current Exposure
- Michael Aschner, Albert Einstein College of Medicine
Methylmercury Neurotoxicity: What Can We Learn from Worms?
- Susan A. Korrick, Harvard Medical School and Harvard T.H. Chan School of Public Health
Cognitive and Neurobehavioral Impacts of Prenatal and Early Life Methylmercury Exposure
- Deborah Segal, US Environmental Protection Agency
Updating the US EPA IRIS Assessment of Methylmercury

May 20, 2021

7:00-9:00 pm EST

DNTS Member Poster and Platform Sessions

Recent Developments in Neurobehavioral Teratology

Platform Session

Chairperson, Jennifer Willford, Slippery Rock University

DNTS Platform 1: Devon Graham, Florida State University

7:05-7:20pm

Long-term Outcomes Following Prenatal GLP-1R Activation

DNTS Platform 2: Katelyn Clough, Northern Kentucky University

7:20-7:35pm

Assessing Adult Learning and Memory in Cyp1a1(+/-) Wild Type and Cyp1a1(-/-) Knockout Mice Exposed to Benzo[a]pyrene During Early Brain Development

DNTS Platform 3: Jenna L.N. Sprowles, Beckman Institute for Advanced Science and Technology, University of Illinois Urbana-Champaign

7:35-7:50pm

Associations between Prenatal Phthalate Exposure and Neurobehavioral Outcomes in 4.5- and 7.5-month-old Infants

DNTS Platform 4: Emily Zimmerman, Northeastern University

7:50-8:05pm

Examining the Association between Maternal Prenatal Stress and Infant Non-Nutritive Suck

DNTS Platform 5: Nella C. Delva, Florida State University College of Medicine
8:05 – 8:20pm

Interneuron-localized Dopamine D1 receptors Modulate Mood and Cerebral Cortical Neuronal Responsiveness

Poster Presentations

8:20 – 9:00 PM

DNTS Poster 1: Cognitive and Functional Outcomes at Age 21 After Prenatal Cocaine/Polydrug Exposure and Foster/Adoptive Care

Breakout Room 1

Lynn T. Singer, June-Yung Kim, Sonia Minnes, Meeyoung O. Min, Gregory Powers

DNTS Poster 2: Aryl Hydrocarbon Receptor Mediated Disruption of Dopaminergic and Serotonergic Signaling in the Hippocampus and Prefrontal Cortex of Mice Exposed to Benzo[a]pyrene during Development

Breakout Room 2

Emma Foster, Katelyn Clough, Lisa Massie, and Christine Perdan Curran

DNTS Poster 3: Glucagon-like Peptide-1 Receptor Expression in the Developing Mouse Brain

Breakout Room 3

Haley Madkour, Dr. Gregg Stanwood, Devon Graham

June 10, 2021

3:00-4:00pm EST DNTS Business Meeting – Virtual Event

June 28, 2021

3:00-5:30pm EST Joint Symposia – DNTS and OTIS
Neurobehavioral Research: Assessing Quality in Neurobehavioral Research
**Registration required. Instructions sent by email.*

Presenters:

- Julie Kable - Emory University School of Medicine
Essentials of Human Study Design
- Claire Coles – Emory University School of Medicine
Maximizing Research Potential through Design
- Michele Levine – University of Pittsburgh School of Medicine
Practical Constraints of Research Design
- Diana Dow-Edwards – SUNY Downstate Health Sciences University
Interpreting Research through Case Studies

June 28, 2021

1:00-3:00pm EST Joint Symposia – DNTS and BDRP

The Effects of Water Fluoridation on Neurodevelopment and Other Health Outcomes Symposium

**Registration required. Instructions sent by email.*

Presenters:

- Kembra Howdeshell, National Institute of Environmental Health Sciences
1:00 PM–1:05 PM
Introduction
- E. Angeles Martinez Mier, Indiana University School of Dentistry
1:05 PM–1:30 PM
Fluoride: A Perspective from the Dental Community
- Christine Till, York University
1:30 PM–1:55 PM
Prenatal and Postnatal Fluoride Exposure and Child Neurodevelopmental Outcomes
- Kyla Taylor, National Institute of Environmental Health Sciences
1:55 PM–2:20 PM
Systematic Review of Fluoride Exposure and Neurodevelopmental and Cognitive Health Effects
- Ashley Malin, University of Southern California
2:20 PM–2:45 PM
Fluoride Exposure and Neurodevelopmental and Neuroendocrine Outcomes among Youth in the United States
- ***Discussion***
2:45 PM–3:00 PM

June 30, 2021

1:00-3:00 PM EST

Joint Symposia – DNTS and BDRP

Molecular Mechanisms of Fetal Alcohol Spectrum Disorders (FASDs) in Humans and Animal Models Symposium

**Registration required. Instructions will be emailed.*

Presenters:

- ***Introduction***
1:00-1:05 PM
 - Peter Wells, University of Toronto
1:05-1:30 PM
Oxidative DNA Damage and Repair in FASDs
 - Rajesh C. Miranda, Texas A&M Health Science Center
1:30-1:55 PM
Epigenetic Mechanisms: Endocrine miRNAs in Pregnant Women, Predictive of FASD infant Outcomes, Control Placental Trophoblast Growth, Survival, and Maturation
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- Mojgan Rastegar, University of Manitoba
1:55-2:20 PM
Chronic Ethanol Exposure Alters DNA Methylation in Neural Stem Cells: Role of Mouse Strain and Sex
 - Wolfram Goessling, Brigham and Women's Hospital, Harvard Medical School
2:20-2:45
FASD Predisposes to Metabolic Abnormalities in Adulthood
 - ***Discussion***
2:45-3:00 PM
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SAVE THE DATE!!

DNTS 2022 Meeting, June 25–June 29, 2022

Hyatt Regency Vancouver

Vancouver, British Columbia, Canada

(Joint with the Birth Defects Research and Prevention Society)