



# DNTS

Developmental  
Neurotoxicology  
Society

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[www.dntshome.org](http://www.dntshome.org)

## 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 <b><i>Do you know your DNTS colleagues ? It'll be a (ka)hoot ☺</i></b>
February 25, 2021 7:00-8:30pm EST	Elsevier Distinguished Lecture <b>Dr. Teresa Reyes</b> <b><i>Setting the stage: How diet and neuroimmune factors in early life shape cognitive development</i></b>
March 18, 2021 7:00-8:30pm EST	Member Social Hour <b><i>Pathways to Science: Career Mentoring: Early/Mid and Tracks</i></b>  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 Mini Symposia <b><i>Neurodevelopmental Underpinnings and Consequences of Drug Exposures</i></b>  <b>Presenters:</b> <ul style="list-style-type: none"><li>• Gregg Stanwood – Florida State University <b><i>Developmental Drug Exposures – Cause and Effect</i></b></li><li>• Beth Ann Rice – Slippery Rock University <b><i>The Role of Stress Hormones in an Animal Model of Addiction-Like Behavior (Sign Tracking)</i></b></li><li>• Amy McRae-Clark <b><i>Oxytocin, Stress, and Addictive Disorders: Clinical Implications</i></b></li><li>• Pradeep Bhide – Florida State University <b><i>Developmental and Transgenerational Consequences of Nicotine Exposure</i></b></li></ul>

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April 29, 2021  
7:00-8:30pm EST

Poster Session & Awards

We are now accepting submissions for student and member poster presentations. Please share your newest research findings with us! Abstract submission is available now: <https://forms.gle/fmFwBYTP5dEAin659>

The deadline for abstract submission is April 16, 2021

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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***
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May 20, 2021  
7:00-8:30pm EST

DNTS Member Platform Session

***Recent Developments in Neurobehavioral Teratology***

We are now accepting submissions for platform presentations. Please share your newest research findings with us! Abstract submission is available now:

<https://forms.gle/fmFwBYTP5dEAin659>

The deadline for abstract submission is May 3, 2021

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June 10, 2021  
3:00-4:00pm EST

Member Social Hour

***Business Meeting***

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June 28, 2021  
3:00-5:30pm EST

Joint Symposia – DNTS and OTIS  
***Neurobehavioral Research: Assessing Quality in Neurobehavioral Research***  
*\*Registration required. Instructions will be emailed.*

**Presenters:**

- TBD  
***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***

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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 will be emailed.*

**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
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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***
- 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)***