

**Developmental Neurotoxicology Society (DNTS)
47th Annual Meeting
Charleston Marriott
Charleston, SC
June 24–28, 2023**

Saturday, June 24, 2023

12:00 PM–5:00 PM Registration Open

3:00 PM–5:00 PM Council Meeting

Sunday, June 25, 2023

7:00 AM–5:00 PM Registration Open

8:45 AM–9:00 AM President's Welcome

9:05 AM–12:05 PM DNTS Symposium: Developmental Outcomes following Neuroinflammatory Exposures

Chairpersons: Laura M. Carlson, US Environmental Protection Agency and Tim Anderson, US Environmental Protection Agency

9:05 AM–9:35 AM Overview of the Role of the Immune System in Brain Development and Function
Sarah Blossom, University of New Mexico

9:35 AM–10:05 AM Pregnancy-Dependent Neuroimmune and Endocrine effects of Endocrine Disrupting Chemical Mixtures: Implications for Maternal Health and Fetal Development
Marissa Sobolewski, University of Rochester

10:05 AM–10:35 AM Environmental Exposures and Neurobehavioral Disorders
Gisel Flores-Montoya, Carleton College

10:35 AM–10:50 AM Break

10:50 AM–11:20 AM The Lasting Impact of Maternal Immune Activation during Gestation and Neurodevelopment
Judy Van de Water, University of California Davis

11:20 AM–11:50 AM Promoting Neuroprotection vs. Neurodegeneration: Sex- and Age-Specific Neuroinflammatory Responses to Injury and Infection
Monica Carson, University of California Riverside

11:50 AM–12:05 PM Discussion

12:05 PM–1:30 PM	Lunch on Your Own
1:30 PM–2:30 PM	DNTS Elsevier Distinguished Lecture Climate Change, Fossil-Fuel Pollution, and Children’s Health and Development Frederica Perera, Columbia Mailman School of Public Health
2:35 PM–3:45 PM	DNTS Strategic Planning Meeting
3:45 PM–3:50 PM	Break
3:50 PM–5:20 PM	The HEALthy Brain and Child Development Study Symposium (Joint with BDRP) <i>Chairpersons: Christina D. Chambers, University of California San Diego and Ludmila Bakhireva, University of New Mexico</i>
3:50 PM–4:10 PM	The HEALthy Brain and Child Development Study: Why This and Why Now? <i>Michelle Freund, National Institute on Drug Abuse</i>
4:10 PM–4:30 PM	Study Design and Recruitment <i>Christina D. Chambers, University of California San Diego</i>
4:30 PM–4:50 PM	Selection of Measures and Pilot Results for Biospecimens <i>Ludmila Bakhireva, University of New Mexico</i>
4:50 PM–5:10 PM	Selection of Measures and Pilot Results for Neuroimaging <i>Chris Smyser, University of Washington</i>
5:10 PM–5:20 PM	Discussion
5:25 PM–5:55 PM	Patricia Rodier Mid-Career Award for Research and Mentoring TBD (Joint with BDRP)
6:00 PM–7:30 PM	Poster Session 1 and Exhibits Attended (Joint with BDRP and OTIS)

Monday, June 26, 2023

8:00 AM–4:30 PM	Registration Open
8:00 AM–9:00 AM	Keynote Lecture Protecting Mothers and Babies Through Research: A Time for Change Christina Bucci-Rechtweg, Novartis Pharmaceuticals Corporation
9:05 AM–12:00 Noon	DNTS: Platform Session 1
10:15 AM–10:30 AM	Break

12:00 Noon–2:00 PM **Lunch on Your Own**

12:00 Noon–2:00 PM **NTT Editorial Board Working Lunch**

2:35 PM–5:30 PM **DNTS: Platform Session 2**

6:00 PM–7:30 PM **Poster Session 2 and Exhibits Attended**
(Joint with BDRP)

Tuesday, June 27, 2023

8:00 AM–2:30 PM **Registration Open**

8:00 AM–9:00 AM **Robert L. Brent Lecture—Teratogen Update**
The Effects of the Dobbs Decision on Teratology: The Effects on Research
(Joint with BDRP and OTIS)

9:05 AM–12:00 Noon **Health Disparities within Communities of Color Symposium**
(Joint with BDRP and OTIS)
Organized by the BDRP Diversity, Equity, and Inclusion Workgroup
Chairpersons Madeline Vera-Colon, University of California, Riverside and
Vinita Leedom, South Carolina Department of Health and Environmental Control

9:05 AM–9:40 AM Correlation of Contaminant Exposure and
Inadequate Food Sources on Birth Defects within
Communities of Color
Maida Galvez, Mount Sinai Hospital

9:40 AM–10:15 AM Disparities and Opportunities in Global
Prevention and Care of Folate-Sensitive Spina
Bifida
Vijaya Kancherla, Emory University

10:15 AM–10:30 AM Break

10:30 AM–11:05 AM S15 TBA
DNTS Member Speaker

11:05 AM–11:45 AM S16 TBD
Michelle Myer, SC Department of Health and
Environmental Control

11:45 AM–12:00 Noon Discussion

12:00 Noon–2:00 PM **Lunch on Your Own**

2:00 PM–5:00 PM **COVID-19 and Pregnancy: An Update and Planning for the Future**
Symposium
(Joint with BDRP)
Organized by the Public Affairs Committee
Chairpersons: Vijaya Kancherla, Emory University and Sonja A. Rasmussen,
Johns Hopkins University

2:00 PM–2:25 PM TBA
Andrea Edlow, Mass General Research Institute

2:25 PM–2:50 PM		COVID-19 in Pregnancy: An Update from the US Centers for Disease Control and Prevention <i>Suzanne Gilboa, National Center on Birth Defects and Developmental Disabilities, CDC</i>
2:50 PM–3:15 PM		Findings from the ECHO Cohorts Regarding the Effects of the COVID-19 <i>Leonardo Trasande, New York University Grossman School of Medicine</i>
3:15 PM–3:30 PM		Break
3:30 PM–3:55 PM	S24	COVID-19 in Early Pregnancy. Clinical Implications and Methodological Considerations <i>Sonia Hernandez-Diaz, Harvard T.H. Chan School of Public Health</i>
3:55 PM–4:20 PM	S25	COVID-19 in Pregnancy: What Do We Know Now? <i>Torri Metz, University of Utah</i>
4:20 PM–4:45 PM	S26	Ethics, Evidence and Vaccination in Pregnancy: Lessons from COVID-19 <i>Anne Drapkin Lyerly, University of North Carolina at Chapel Hill</i>
4:45 PM–5:00 PM		Discussion

5:00 PM - 5:50 PM DNTS Making Networks Session

6:30 PM–8:30 PM DNTS Social

Wednesday, June 28, 2023

8:30 AM–12:30 PM Registration Open

8:00 AM – 9:00 AM New Investigator Award Presentation

9:05 AM–12:00 Noon Applications of New Approach Methods in Developmental and Reproductive Toxicology Symposium
(Joint with BDRP)

Chairpersons: Amer Jamalpoor, Toxy B.V. and Jessica A. Palmer, Stemina Biomarker Discovery, Inc.

9:05 AM–9:40 AM Current and Future Opportunities for US Regulatory Application of Developmental Toxicity NAMs
Nicole C. Kleinstreuer, NIEHS/NICEATM

9:40 AM–10:15 AM Practical Application of New Approach Methods (NAMs) in Developmental Toxicity Testing
Kathryn Wolton or Ramya Rajagopal, Unilever Safety and Environmental Assurance Centre

10:15 AM–10:45 AM	Warkany Tea
10:45 AM–11:10 AM	How to Gain Confidence for Using NAMs in the Regulatory Arena of DART Testing <i>Nicola S. Powles-Glover, AstraZeneca</i>
11:10 AM–11:30 AM	The Use of Zebrafish Alternative Animal Model for Developmental Toxicity Assay <i>Arantza Muriana, Biobide USA</i>
11:30 AM–11:50 AM	ReproTracker as an <i>In Vitro</i> Alternative to Animal Models for Developmental Toxicity Testing <i>Amer Jamalpoor, Toxy B.V.</i>
11:50 AM–12:00 Noon	Discussion
12:00 Noon–1:00 PM	Lunch on Your Own
1:05 PM–3:00 PM	Business Meeting
3:00PM	DNTS Meeting Adjourn