

Forty-Fourth Annual Meeting of the Developmental Neurotoxicology Society

Held in Conjunction with the

60th Annual Meeting of the
Society for Birth Defects Research and Prevention

and the

33rd Annual Education Meeting for the
Organization of Teratology Information Specialists

Charleston Marriott
Charleston, South Carolina
June 27 – July 1, 2020

(Program Draft as of January 14, 2020)

DNTS 2020 Program

Saturday, June 27, 2020

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| 4:00 PM-7:00 PM | Registration Open | Crystal Ballroom Foyer |
| 4:30 PM-6:30 PM | DNTS Council Meeting | TBD |

Sunday, June 28, 2020

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| 7:00 AM-6:00 PM | Registration Open | Crystal Ballroom Foyer |
| 7:00 AM-8:00 AM | 2021 Program Committee Meeting | TBD |
| 7:30 AM-8:00 PM | Morning Coffee <i>(Joint with BDRP)</i> | Crystal Ballroom Foyer |
| 8:15 AM-9:00 AM | DNTS 1: Josef Warkany Lecture TITLE <i>(Joint with BDRP and OTIS)</i> <i>Chairperson:</i> <i>Lecturer: Linda S. Birnbaum, NIEHS Director</i> | Crystal Ballroom A |
| 9:00 AM-9:15 AM | Presidential Welcome | Emerald 2 |
| 9:15 AM-12:00 PM | DNTS Symposium Developmental and Neurotoxicological Contributions to Addiction <i>Chairperson: Gregg Stanwood, Florida State</i> <i>University</i> | Emerald 2 |
| 9:15 AM-9:45 AM | DNTS 2: TBD | |

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| 9:45 AM-10:15 AM | DNTS 3: TBD | |
| 10:15 AM-10:30 AM | Break | |
| 10:30 AM-11:00 AM | DNTS 4: TBD | |
| 11:00 AM-11:30 AM | DNTS 5: TBD | |
| 11:30 AM-12:00 PM | Discussion | |
| 12:00 PM-2:30 PM | Lunch on Your Own | |
| 2:35 PM-5:30 PM | DNTS/BDRP/OTIS Joint Symposium The Effects of Water Fluoridation on Neurodevelopment and Other Health Outcomes <i>Chairpersons: Kembra Howdeshell, National Institute of Environmental Health Sciences and Kyla Taylor, National Institute of Environmental Health Sciences</i> | Crystal Ballroom A |
| 2:40 PM- 3:20 PM | DNTS 6: Fluoride: A Perspective from the Dental Community <i>E. Angeles Martinez Mier, Indiana University School of Dentistry</i> | |
| 3:20 PM-4:00 PM | DNTS 7: Prenatal and Postnatal Fluoride Exposure and Child IQ in Canada <i>Christine Till, York University</i> | |
| 4:00 PM – 4:15 PM | Break | |
| 4:15 PM-4:55 PM | DNTS 8: Systematic Review of Fluoride Exposure and Neurodevelopmental and Cognitive Health Effects <i>Kyla Taylor, National Institute of Environmental Health Sciences</i> | |
| 4:55 PM-5:30 PM | DNTS 9: Fluoride Exposure and Health Outcomes Among Adolescents in the United States <i>Ashley Malin, Mount Sinai School of Medicine</i> | |
| 5:35 PM-6:00 PM | DNTS 10: Patricia Rodier Mid-Career Award for Research and Mentoring TBA <i>(Joint with BDRP) Chairpersons: Suzanne E. Fenton, National Institute of Environmental Health Sciences and Laura Pickens, Thiel College Lecturer: TBA</i> | Crystal Ballroom A |
| 6:00 PM-7:30 PM | Welcome Reception, Poster Session 1, and Exhibits Attended <i>(Joint with BDRP)</i> | Crystal Ballroom D |
| 7:30 PM-9:30 PM | MARTA Graduate Students and Postdoctoral Fellows Career Event | Blue Topaz |

*(Open to BDRP, DNTS, and OTIS Graduate Students
and Postdoctoral Fellows)*

Monday, June 29, 2020

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| 7:00 AM-6:00 PM | Registration Open | Crystal Ballroom Foyer |
| 7:30 AM-8:00 AM | Morning Coffee <i>(Joint with BDRP)</i> | Crystal Ballroom Foyer |
| 8:00 AM-9:00 AM | DNTS 11: Keynote Lecture Prenatal Genomic Medicine: Transforming Obstetric Practice and Delivering New Biological Insights <i>(Joint with BDRP)</i> <i>Chairperson: Elise M. Lewis, Charles River</i> <i>Speaker: Diana W. Bianchi, Eunice Kennedy Shriver National Institute of Child Health and Human Development</i> | Crystal Ballroom A |
| 9:05 AM – 12:00 PM | DNTS/BDRP Joint Symposium Developmental Neurotoxicity of Methylmercury <i>Chairpersons: Michael Garry, Exponent and Deborah Segal, US Environmental Protection Agency</i> | Crystal Ballroom A |
| 9:05 AM-9:45 AM | DNTS 12: Methylmercury and Developmental Neurotoxicity: Historical Context and Current Exposure <i>Michael Garry, Exponent</i> | |
| 9:45 AM – 10:25 AM | DNTS 13: Developmental Neurotoxicity of Methylmercury <i>Michael Aschner, Albert Einstein College of Medicine</i> | |
| 10:25 AM-10:40 AM | Break | |
| 10:40 AM-11:20 AM | DNTS 14: Neurobehavioral Effects of Methylmercury <i>Susan A. Korrick, Harvard Medical School and Harvard T.H. Chan School of Public Health</i> | |
| 11:20 AM-12:00 PM | DNTS 15: Regulatory Toxicology and Risk Assessment of Methylmercury <i>Deborah Segal, US Environmental Protection Agency</i> | |
| 12:00 PM-1:30 PM | Lunch on Your Own | |
| 12:00 PM-2:00 PM | NTT Editorial Board Meeting | Location TBD |
| 2:00 PM-5:00 PM | DNTS/OTIS Joint Symposium The Good, the Bad, and the Ugly: Assessing Quality in Neurobehavioral Research <i>Chairpersons: Jennifer Willford, Slippery Rock University and Al Romeo, Utah Department of Health, MotherToBaby Utah's Pregnancy Risk Line</i> | Emerald 2 |
| 2:00 PM-3:00 PM | DNTS 16: Essentials of Human Study Design | |

Jessica Shoaf, Harvard Medical School

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| 3:00 PM-3:30 PM | DNTS 17: The Good: Maximizing Research Potential through Design <i>Claire Coles, Emory University</i> | |
| 3:30 PM-4:00 PM | DNTS 18: The Bad and Ugly: Practical Constraints of Research Design <i>Michelle Levine, University of Pittsburgh School of Medicine</i> | |
| 4:00 PM-4:15 PM | Break | |
| 4:15 PM-4:45 PM | DNTS 19: Interpreting Research through Case Studies <i>Diana Dow-Edwards, SUNY Downstate Health Sciences University</i> | |
| 4:45 PM-5:00 PM | Discussion | |
| 5:00 PM – 6:00 PM | Presidential Guest Lecture DNTS 20: Children’s Exposures to Chemical and Non-Chemical Stressors: What Have We Learned About Health and Well-Being? <i>Nicolle Tulve, Environmental Protection Agency</i> | Emerald 2 |
| 6:00 PM-7:30 PM | Poster Session 2 and Exhibits Open <i>(Joint with BDRP and OTIS)</i> | Crystal Ballroom D |
| <u>Tuesday, June 30, 2020</u> | | |
| 7:00 AM-6:00 PM | Registration Open | Crystal Ballroom Foyer |
| 7:30 AM-8:00 AM | Morning Coffee <i>(Joint with BDRP)</i> | Crystal Ballroom Foyer |
| 8:00 AM-9:00 AM | DNTS Elsevier Distinguished Lecture DNTS 21: TBD <i>Teresa Reyes, University of Cincinnati</i> | Emerald 2 |
| 9:05 AM-12:00 PM | DNTS/BDRP Joint Symposium Opioid Use in Pregnancy: Translational Perspectives Symposium <i>Chairpersons: Christina D. Chambers, University of California–San Diego and Rina Eiden, Penn State University</i> | Crystal Ballroom A |
| 9:05 AM-9:40 AM | Outcomes among Children of Opiate Using Mothers <i>Elisabeth Conradt, University of Utah</i> | |
| 9:40 AM-10:15 AM | Preclinical Modeling Used to Identify Epigenetic Modifications Impacting Symptom Severity and Long-Term Outcomes Associated with Prenatal Opiate Exposure <i>Susanne Brummelte, Wayne State University</i> | |

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| 10:15 AM-10:30 AM | Break | |
| 10:30 AM-11:05 AM | Eat, Sleep, and Console: Novel Approaches for Assessing Infants with Neonatal Abstinence Syndrome and Improving Quality of Care <i>Hendrée Jones, UNC Department of Obstetrics & Gynecology</i> | |
| 11:05 AM-11:40 AM | mABC Intervention for Opioid Using Mothers and Infants <i>Mary Dozier, University of Delaware</i> | |
| 11:40 AM-12:00 PM | Discussion | |
| 12:00 PM-1:30 PM | Lunch on Your Own | |
| 1:30 PM-3:00PM | DNTS Platform Session 1 <i>Chairperson: TBA</i> | Emerald 2 |
| 3:00 PM-4:00 PM | DNTS Business Meeting | Emerald 2 |
| 4:00 PM-4:15 PM | Break | Emerald 2 |
| TBD (5:00 PM-8:00 PM) | DNTS Social | TBD |

Wednesday, July 1, 2020

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| 7:00 AM-6:00 PM | Registration Open | Crystal Ballroom Foyer |
| 7:30 AM-8:00 AM | Morning Coffee <i>(Joint with BDRP)</i> | Crystal Ballroom Foyer |
| 8:00 AM-8:30 AM | Richard Butcher New Investigator Award DNTS XX: TBD <i>Presenter, Affiliation: TBD</i> | Emerald 2 |
| 8:30 AM-10:15 | DNTS Platform Session 2 or Mini-Symposium <i>Chairperson: TBD</i> | Emerald 2 |
| 10:15 AM-10:30 AM | Break | Emerald 2 |
| 10:30 AM-12:00 PM | DNTS Platform Session 3 or Mini-Symposium | Emerald 2 |

SAVE THE DATE!!

DNTS 2021 Meeting, June 26–June 30, 2021

Wyndham Grand Pittsburgh Downtown
Pittsburgh PA
(Joint with the Birth Defects Research and Prevention Society)