## Forty-Third Annual Meeting of the Developmental Neurotoxicology Society

Held in Conjunction with the 59<sup>th</sup> Annual Meeting of the Teratology Society and 32nd Annual Education Meeting for the Organization of Teratology Information Specialists

> Sheraton San Diego Hotel and Marina San Diego, California June 23–26, 2019 (As of January 16, 2019)

## **DNTS 2019 Program**

Saturday, June 22, 2019		
4:00 PM-7:00 PM	Registration Open	Harbor Island Foyer
5:00 PM-6:30 PM	DNTS Council Meeting	Location TBD
<u>Sunday, June 23, 2019</u>		
7:00 AM-6:00 PM	Registration Open	Harbor Island Foyer
7:00 AM-8:00 AM	2020 Program Committee Meeting	Location TBD
7:30 AM-8:00 AM	<b>Morning Coffee and Pastries</b> (Joint with TS)	Harbor Island Foyer
8:00 AM-8:15 AM	Presidential Welcome	Harbor Island 1
8:15 AM-9:00 AM	<b>DNTS 1: Josef Warkany Lecture</b> <b>Developmental Toxicity of Perfluorinated Com</b> <b>from Animal Studies to Engineered Cells</b> (Joint with TS and OTIS) <i>Chairperson: Dana L. Shuey, Incyte Corporation</i> <i>Lecturer: Barbara D. Abbott</i>	Harbor Island 2 pounds: A Voyage
9:05 AM-12:00 PM	DNTS SymposiumHarbor Island 1The Microbiome as a Modulator of Neurodevelopmental Disordersand Neurodegenerative DiseaseChairperson: Lori Driscoll, Colorado College, Colorado Springs, CO,USA	
9:05 AM-9:15 AM	<b>DNTS 2: The Gut-Brain Axis: A Primer</b> Lori Driscoll, Colorado College, Colorado Spring	gs, CO, USA
9:15 AM–9:45 AM	<b>DNTS 3: Immune and Microbiota Profiles in C</b> <b>Co-Morbid GI Symptoms</b> <i>Destanie Rose, University of California - Davis M</i> <i>Sacramento, CA, USA</i>	

9:45 AM-10:15 AM	<b>DNTS 4: <mark>Title TBA</mark> Karen-Anne McVey Neufeld, McMaster University Brain-Body Institute, Hamilton, ON Canada</b>	
10:15 AM-10:45 AM	<b>DNTS 5: <mark>Title TBA</mark> Siobhain O'Mahony, University College Cork, Cork, Ireland</b>	
10:45 AM-11:00 AM	Break (Harbor Island Foyer)	
11:00 AM–11:30 AM	<b>DNTS 6: Mitochondrial Bioenergetics and Gut Metabolites:</b> <b>Implications for Neurotoxicity and Disease</b> <i>Christopher Martyniuk, University of Florida, Gainesville, FL, USA</i>	
11:30 AM-12:00 PM	<b>DNTS 7: Microbiome Based Translational Strategy in Parkinson's</b> <b>Disease</b> <i>Anumantha Kanthasamy, Iowa State University, Ames, Iowa, USA</i>	
12:00 PM-1:30 PM	Lunch on Your Own	
1:30 PM-2:30 PM	Elsevier Distinguished LectureHarbor Island 1DNTS 8: Can Endocrine Disrupting Compounds Change Basic BrainFunction/Structure Over Multiple Generations?Emilie Rissman, North Carolina State University, Raleigh, NC, USA	
2:35 PM-5:30 PM	DNTS/TS Joint SymposiumHarbor Island 2Ocean-Borne Risks to Pregnant Women and Their BabiesChairpersons: Elaine M. Faustman, University of Washington andEdward D. Levin, Duke University	
2:35 PM-3:10 PM	<b>DNTS 9: Benefits and Risks of Oceans on Human Health</b> Bradley S. Moore. Scripps Institution of Oceanography	
3:10 PM-3:45 PM	<b>DNTS 10: Lessons Learned from Hurricane Maria and Impact within the Puerto Rican Children's Cohort from Water Contamination, Infection, and Stress</b> José F. Cordero, University of Georgia	
3:45 PM-4:00 PM	Break (Harbor Island Foyer)	
4:00 PM-4:35 PM	<b>DNTS 11: Domoic Acid Developmental Neurotoxicity: New Insights</b> <b>from Human and Animal Studies</b> <i>Elaine M. Faustman, University of Washington</i>	
4:35 PM-5:10 PM	<b>DNTS 12: What Do Fish Tell Us About Developmental Neurotoxic Risks of the Sea?</b> <i>Edward D. Levin, Duke University</i>	
5:10 PM-5:30 PM	Discussion	

5:35 PM-6:00 PM	<b>DNTS 13: Patricia Rodier Mid-Career</b> <b>Award for Research and Mentoring</b> <b>TBA</b> (Joint with TS)	Harbor Island 2
	Chairpersons: Nicole Churchill Kleinstreuer, NT the Evaluation of Alternative Toxicological Meth Sobrian, Howard University College of Medicine Lecturer: TBA	ods, NIEHS and Sonya K.
6:00 PM-8:00 PM	Welcome Reception, Poster Session 1, and Exhibits Attended (Joint with TS)	Nautilus
<u>Monday, June 24, 2019</u>		
7:00 AM-6:00 PM	Registration Open	Harbor Island Foyer
7:30 AM-8:00 AM	<b>Morning Coffee and Pastries</b> (Joint with TS)	Harbor Island Foyer
8:00 AM-9:00 AM	DNTS 14: Keynote Lecture Environmental Influences on Child Health Outcomes (ECHO): A National Research Prog (Joint with TS and OTIS) Chairperson: Christine Perdan Curran, Northern Speakers: Carol J. Blaisdell, Environmental Influ Outcomes, NIH and Amy Elliott, Avera Research	n Kentucky University uences on Child Health
9:05 AM-12:00 PM	<b>DNTS/TS Joint Symposium</b> <b>Perinatal Choline Supplementation and Risk of</b> <b>Disorders Symposium</b> <i>Chairpersons: Carl L. Keen, University of Califo</i> <i>Helen J. K. Sable, University of Memphis</i>	-
9:05 AM-9:15 AM	Introduction	
9:15 AM–9:45 AM	<b>DNTS 15: Choline and Brain Development: An Overview</b> <i>Steven H. Zeisel, University of North Carolina–Chapel Hill</i>	
9:45 AM-10:15 AM	<b>DNTS 16: Maternal Choline Supplementation Produces Lasting</b> <b>Offspring Cognitive Benefits: Insights from a Mouse Model of Down</b> <b>Syndrome and a Small Human Clinical Trial</b> <i>Barbara Strupp, Cornell University</i>	
10:15 AM-10:30 AM	Break (Harbor Island Foyer)	
10:30 AM-11:00 AM	DNTS 17: Can Choline Ameliorate the Neurod Prenatal Exposure to Alcohol?	levelopmental Effects of

	Christina D. Chambers, University of Californi	ia–San Diego	
11:00 AM-11:30 AM	<b>DNTS 18: Perinatal Choline Supplementation Improves Social</b> <b>Behavior in Rodent Models of Autism</b> <i>Tiffany J. Mellot, Boston University School of Medicine</i>		
11:30 AM-12:00 PM	<b>DNTS 19: How Targeted Choline Supplementation Reverses the</b> <b>Negative Neurocognitive and Genomic Impacts of Early-Life Iron</b> <b>Deficiency</b> <i>Michael K. Georgieff, University of Minnesota</i>		
12:00 PM-1:45 PM	Lunch on Your Own		
12:00 PM-1:45 PM	NTT Editorial Board Meeting	Location TBD	
1:45 PM-4:00 PM	DNTS SymposiumHarbor Island 1Honoring the Contributions of DNTS Member Merle PauleChairperson: Jerry Meyer, University of Massachusetts, Amherst		
4:00 PM-4:15 PM	Break (Harbor Island Foyer)		
4:15 PM-5:40 PM	<b>DNTS Platform Session 1</b> <i>Chairperson: Chip Vorhees, University. of Cincinnati and Cincinnati Children's Hospital, Cincinnati, OH, USA</i>		
6:00 PM-8:00 PM	<b>Poster Session 2 and Exhibits Attended</b> (Joint with TS and OTIS)	Nautilus	
8:00 PM-10:00 PM	Teratology Society and MARTASeabreezeGraduate Students and PostdoctoralFellows Career Event(Open to Teratology Society, DNTS, and OTIS Graduate Studentsand Postdoctoral Fellows)		
<u>Tuesday, June 25, 2019</u>			
7:00 AM-6:00 PM	Registration Open	Harbor Island Foyer	
7:30 AM-8:00 AM	<b>Morning Coffee and Pastries</b> (Joint with TS)	Harbor Island Foyer	
8:15 AM-9:00 AM	<b>DNTS 28: Workshop</b> <b>Alternative Statistical Approaches for Contr</b> <i>Lecturer: Christina Sobin, University of Texas,</i>	-	
9:05 AM-12:00 PM	DNTS/TS Joint Symposium Establishing Scientific Confidence in Alterna	Harbor Island 2 ate Approaches	

	Chairpersons: Nicole Churchill Kleinstreuer, NTP In the Evaluation of Alternative Toxicological Methods, A. Palmer, Stemina Biomarker Discovery, Inc	0 1 0
9:05 AM-9:45 AM	DNTS 29: Federal Agency Activities to Identify and Implement	
	Alternatives Nicole Churchill Kleinstreuer, NTP Interagency Cen of Alternative Toxicological Methods, NIEHS	ter for the Evaluation
9:45 AM-10:25 AM	<b>DNTS 30:</b> <i>In Vitro</i> to <i>In Vivo</i> Extrapolation Using Maternal-Fetal Models Annie Lumen, US Food and Drug Administration	
10:25 AM-10:40 AM	Break (Harbor Island Foyer)	
10:40 AM-11:20 AM	<b>DNTS 31: Developing Screening Batteries and Compound Test Sets</b> <b>for Developmental Neurotoxicity Screening: International Efforts</b> <i>Timothy J. Shafer, US Environmental Protection Agency</i>	
11:20 AM-12:00 PM	<b>DNTS 32: Integrated Testing Strategies for Developmental</b> <b>Neurotoxicity Testing</b> <i>Mamta Behl, National Toxicology Program, NIEHS</i>	
12:00 PM-1:30 PM	Lunch on Your Own	
1:30 PM-4:00 PM	<b>DNTS Platform Session 2</b> <i>Chairperson: TBD</i>	Harbor Island 1
2:55 PM-3:10 PM	Break (Harbor Island Foyer)	
4:00 PM-5:00 PM	DNTS Business Meeting	Harbor Island 1
5:30 PM – 9:00 PM	DNTS Social Event	Meet in Hotel Lobby
Wednesday, June 26, 2019		
7:00 AM-6:00 PM	Registration Open	Harbor Island Foyer
7:30 AM-8:00 AM	<b>Morning Coffee and Pastries</b> (Joint with TS)	Harbor Island Foyer
8:00 AM-8:30 AM	DNTS 39: <mark>TBA</mark> Richard Butcher New Investigator Award <u>Presenting Author, Affiliation</u>	Harbor Island 1
8:30 AM–9:45 AM	<b>DNTS Mini-Symposium</b> <b>#TrendingTopics in Developmental Neurotoxicolo</b> <i>Chairperson: TBA</i>	Harbor Island 1 ogy

8:30 AM-8:35 AM	Introduction Presenter TBD	
8:35 AM – 9:10 AM	<b>DNTS 40: SlinkR and Developmental Neurotoxicity</b> <i>Robert Tanguay, Oregon State University</i>	
9:10 AM – 9:45 AM	DNTS 41: TBD Presenting Author, Affiliation	
9:45 AM – 12:00 PM	<b>DNTS Platform Session 3</b> <i>Chairperson: TBD</i>	Harbor Island 1
10:30 AM-11:00 AM	Break: Warkany Tea (Harbor Island Foyer)	

## SAVE THE DATE: DNTS 2020 Meeting, June 28–July 1, 2020

Charleston Marriott 170 Lockwood Boulevard Charleston, SC (Joint with The Teratology Society)