



Thirty-Ninth Annual Meeting of the Neurobehavioral Teratology Society and the Fifteenth Biennial Meeting of the International Neurotoxicology Association Held in Conjunction with the 55th Annual Meeting of the Teratology Society Hôtel Bonaventure Montréal, Quebec, Canada June 27–July 1, 2015

2015 PATRICIA RODIER MID-CAREER AWARD

Gregg Stanwood, PhD (Nominated by Chip Vorhees)
Florida State University
Developmental causes and consequences of drug abuse

2015 NBTS RICHARD BUTCHER NEW INVESTIGATOR AWARD

Marissa Sobolewski, PhD (self-nominated)
University of Rochester
Enhanced reproductive, endocrine and behavioral deficits induced by maternal exposure to a mixture of low dose endocrine disrupting chemicals

NBTS CONFERENCE AWARDS

Emily Ross (Nominated by Gregg Stanwood)
Vanderbilt University
Developmental dopamine D2 receptor effects on interneuron development and behavior

Stephanie Spring (Nominated by Mary Gilbert)
United States Environmental Protection Agency
Thyroid hormone-dependent formation of a subcortical band heterotopia (SBH) in the neonatal brain is not exacerbated under conditions of low dietary iron

Jenna Sprowles (Nominated by Helen Sable)
University of Memphis
Gestational exposure to diethylstilbestrol does not elicit alterations in anxiety- and depressive-like behaviors in C57Bl/6 mice

Saturday, June 27, 2015

<u>NBTS Program</u>	<u>INA Program</u>
8:00 AM–12:00 Noon Teratology Society Education Course Session I <i>Westmount (Separate registration required)</i>	8:30 AM–10:10 AM Symposium 1: Neurotoxins are in the air: Neurotoxicity of air pollution <i>Verdun</i> Chairpersons: Lucio G. Costa, <i>University of Washington</i> and Deborah Cory-Slechta, <i>University of Rochester School of Medicine</i>
8:30 AM–4:00 PM NBTS Registration <i>Montreal Ballroom Foyer</i>	8:30–8:55 Neurotoxicity of acute diesel exhaust exposure in adult mice (NTX01) Lucio G. Costa ^{1,2} , Toby B. Cole ¹ , Jacki Coburn ¹ , Yu-Chin (Rachel) Chang ¹ , Khoi Dao ¹ and Pamela J. Roque ¹ , ¹ University of Washington, Seattle, WA, USA; ² University of Parma Medical School, Parma, Italy.
	8:55–9:20 Microglia as central nervous system sentinels and the detection of air pollution (NTX02) Michelle Block, <i>Indiana University School of Medicine, Indianapolis, IN, USA.</i>
	9:20–9:45 Prenatal air pollution exposure effects on autism spectrum disorder and neurodevelopment (NTX03) Heather E. Volk, Rob McConnell, Irva Hertz-Picciotto, Fred Lurmann, Tara Kerin, Amy Kalkbrenner, Nora Lee and Gayle Windham, <i>University of California, Davis, CA, USA.</i>
	9:45–10:10 Developmental exposure to ultrafine particle air pollution produces features of the autism phenotype (NTX04) Deborah A. Cory-Slechta, Joshua L. Allen and Gunter Oberdorster, <i>University of Rochester School of Medicine, Rochester, NY, USA.</i>

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NBTS Program	INA Program
	10:10 AM–10:30 AM Break 10:30 AM–12:30 PM Symposium 2: Neurotoxicity of small inhaled particles; From the cradle to the grave? <i>Verdun</i> Chairpersons: <u>Harm J. Heusinkveld</u> , <i>Leibniz Research Institute for Environmental Medicine</i> and <u>Arezoo Campbell</u> , <i>Western University of Health Sciences</i> 10:30–11:00 Epidemiological studies on outdoor air pollution exposure and neuro-psychological effects: From cradle to grave (NTX05) Tamara Schikowski, <i>IUF—Leibniz Research Institute for Environmental Medicine, Düsseldorf, Germany; Swiss Tropical and Public Health Institute and University of Basel, Switzerland.</i> 11:00–11:30 Inhaled ultrafine particles increase inflammatory markers in rodent brains and may contribute to neurodegeneration (NTX06) Arezoo Campbell <i>Western University of Health Sciences, Pomona, CA, USA.</i> 11:30–12:00 Inhaled ultrafine particulate matter and neurodegeneration; On the biological plausibility of mechanisms (NTX07) Harm J. Heusinkveld, <i>Leibniz Research Institute for Environmental Medicine, Düsseldorf, Germany; National Institute for Public Health and the Environment, Bilthoven, The Netherlands.</i> 12:00 PM–1:00 PM Lunch
1:00 PM–2:00 PM NBTS Public Affairs Committee Meeting <i>St. Pierre</i>	1:00 PM–3:30 PM Symposium 3: The aerotoxic syndrome: Tricresyl phosphate exposure assessment, neurotoxicity and alternative explanations <i>Verdun</i> Chairpersons: Christoph van Thriel, <i>IfAdo—Leibniz Research Center for Working Environment and Human Factors</i> and <u>Remco H.S. Westerink</u> , <i>Universiteit Utrecht</i> 1:00–1:30 The aerotoxic syndrome: Is there a new low-level neurotoxic syndrome in the air? (NTX08) Marlene Pacharra, Stefan Kleinbeck, Vanessa Hausherr, Julia Sisnaïske and Christoph van Thriel, <i>IfAdo—Leibniz Research Center for Working Environment and Human Factors, Dortmund, Germany</i> 1:30–2:00 Can ozone-initiated chemistry explain symptoms among air crewmembers? (NTX09) Peder Wolkoff, <i>National Research Centre for the Working Environment, Copenhagen, Denmark.</i> 2:00–2:30 Towards a clinical diagnosis of the Aerotoxic Syndrome, possible methods and challenges (NTX10) Evelien van Valen, Ineke Olsthoorn, Bas Sorgdrager and Teake Pal, <i>Netherlands Center for Occupational Diseases, Coronel Institute of Occupational Health, Academic Medical Center Amsterdam, The Netherlands.</i> 2:30–3:00 Neurotoxic hazard characterization and risk assessment of different TriCresyl Phosphate (TCP) isomers (NTX11) Daniel Duarte, Joost Rutten, Regina GDM van Kleef, Fiona Wijnolts and <u>Remco H.S. Westerink</u> (NED), <i>Institute for Risk Assessment Sciences, Universiteit Utrecht, The Netherlands.</i> 3:00–3:30 Tri-ortho-cresylphosphate and TCP isomers—neurotoxic effects in addition to OPIDN? (NTX12) Vanessa Hausherr ¹ , Julia Sisnaïske ¹ , Nicole Schöbel ² and Christoph van Thriel ¹ , <i>¹IfAdo—Leibniz Research Center for Working Environment and Human Factors, Dortmund, Germany; ²Department of Animal Physiology, Ruhr-University, Bochum, Germany.</i> 3:30–3:50 Break 3:50–5:10 Platform Session 1 <i>Verdun</i> 3:50–4:10 In vitro neurochemical screening assays to predict adverse outcomes of a set of potentially neurotoxic chemicals in fish, birds, and mammals (NTX13) Adeline Arini ¹ , Kritika Mittal ¹ , Jessica Pawley ¹ , Jessica Head ² , Brandon Armstrong ² , Cheryl Murphy ² and Nil Basu, ¹ <i>¹Faculty of Agricultural and Environmental Sciences, McGill University, Montreal, QC, Canada, ²Department of Fisheries and Wildlife, Michigan State University, East Lansing, MI, USA.</i> 4:10–4:30 Lead-induced disruption of brain barriers and its mechanisms (NTX14) Jingyuan Chen, <i>Fourth Military Medical University, Xi'an, China.</i> 4:30–4:50 NMDA R/+ VDR Pharmacological Phenotype as a Novel Therapeutic target in Relieving Motor-Cognitive Impairments in Parkinsonism (NTX15) ¹ Olaekan Michael Ogundele, ¹ Ednar Tarebi Nanakumo, ² Azeez Olakunle Ishola, ¹ Oluwafemi Michael Obende, ¹ Linus Anderson Enye, ² Wasiu Gbolahan Balogun, ² Emmanuel Cobham Ansa and ² Abdulbasit Amin, ¹ Afe Babalola University, Ekiti State Ado-Ekiti, Nigeria; ² University of Ilorin, Ilorin, Kwara State, Nigeria 4:50–5:10 Deficits in neural responses to manganese exposure in Huntington's Disease models (NTX16) AM Tidball ¹ , KK Kumar ¹ , MR Bryan ¹ , TJ Bichell ¹ , K Horning ¹ , MA Uhouse ¹ , CR Goodwin ¹ , J Bornhorst ² , T Schwerdtle ² , MD Neely ¹ , JA McClean ¹ , MA Aschner ³ and AB Bowman ¹ , <i>¹Vanderbilt University Medical Center, Nashville, TN, USA, ²University of Potsdam, Germany and ³Albert Einstein College of Medicine, New York, NY, USA.</i> 5:30–7:00 PM Soccer Game
2:00 PM–3:00 PM NBTS Publications Committee Meeting <i>St. Pierre</i>	
3:00 PM–4:00 PM NBTS Strategic Planning Committee Meeting <i>St. Pierre</i>	
4:00 PM–6:30 PM NBTS Council Meeting <i>St. Pierre</i>	

Sunday, June 28, 2015

NBTS AND INA PROGRAM	
7:30 AM–6:00 PM	NBTS/INA Registration <i>Montreal Ballroom Foyer</i>
8:00 AM–8:15 AM	Presidents' Welcome <i>Outremont</i> Lori L. Driscoll, <i>Colorado College and Christoph van Thriel, IfAdo—Leibniz Research Centre for Working Environment and Human Factors</i>
8:30 AM–10:40 AM	Symposium 4: Neurotoxicity of brominated flame retardants and the quest for safer alternatives <i>Verdun</i> Chairpersons: Paul A. Eubig, <i>University of Illinois</i> and Remco H.S. Westerink, <i>Universiteit Utrecht</i>
8:30 AM–8:48 AM	Introduction: Paul A. Eubig, <i>University of Illinois, Urbana-Champaign, IL, USA</i>
8:48 AM–9:16 AM	Cognitive and motivational impacts of developmental PBDE exposure in rats (NTX17) Lori L. Driscoll, <i>Colorado College, Colorado Springs, CO, USA.</i>
9:16 AM–9:44 AM	Neurobehavioral function and low-level exposure to brominated flame retardants in adolescents: A cross-sectional study (NTX18)

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