

***32nd Annual Education Meeting for Organization of Teratology Information Specialists Members and MotherToBaby Affiliates***

***Sheraton San Diego Hotel & Marina***

***San Diego, California***

Saturday, June 22, 2019

8:00 AM–5:00 PM Education Course Session 1 & 2 Harbor Island 2

 The Embryology and Teratology of the Reproductive System

 *(separate registration/fee required)*

8:00 AM–11:00 AM OTIS Board Meeting Marina 2

11:15 AM–12:15 PM Education Committee Marina 2

12:15 PM–1:15 PM Lunch on Own

1:15 PM–3:15 PM OTIS Research Committee & Team Meeting Harbor Island 3

 *(OTIS Research Coordinators and Committee Members Only)*

3:30 PM–4:30 PM Marketing and Website Committee Marina 2

4:45 PM–5:45 PM Membership Committee Marina 2

Sunday, June 23, 2019

**8:15 AM–9:00 AM** **Josef Warkany Lecture Harbor Island 2**

**Developmental Toxicity of Perfluorinated Compounds: A Voyage from Animal Studies to Transfected Cells (L1)**

(Joint with DNTS and TS)

*Chairperson:* Dana L. Shuey, Incyte Corporation

*Lecturer: Barbara D. Abbott, US Environmental Protection Agency (Retired)*

**9:00 AM–9:15 AM Break**

**9:15 AM–9:30 AM President’s Welcome Harbor Island 3**

*OTIS President, Christina D. Chambers, University of California-San Diego*

**9:30 AM–10:30 AM Thomas H. Shepard Lecture Harbor Island 3**

 **Shepard’s Criteria for Teratogenicity Inform Investigations of the Etiology of Human Malformations**

*Speaker: John Carey, University of Utah*

**10:30 AM–10:45 AM Coffee/Tea Break Harbor Island 3**

**10:45 AM–12:00 PM Hot Topic Lecture Harbor Island 3**

 **Cardiovascular Health and Women**

*Speaker: Gina Lundberg, Emory University School of Medicine*

**12:00 PM–1:00 PM Lunch on Own**

**1:00 PM–3:00 PM Gerald G. Briggs Research Symposium Harbor Island 3**

1:00 PM–1:30 PM Safety of high-dose vitamin B2 in pregnancy: a cohort study with a non-inferiority study design.

*Shinya Ito, Motherisk Program Toronto*

1:30 PM–2:00 PM Childhood Infections with Biologics

*Christina D. Chambers, University of California – San Diego*

2:00 PM–3:00 PM Health Literacy

*Christine Stallman, University of Arizona*

**3:00 PM–3:15 PM Coffee/Tea Break Harbor Island 3**

**3:15 PM–5:45 PM Hot Topic Lecture**  **Harbor Island 3**

3:15 PM–4:15 PM **Cigarette Smoking and Development**

*Rina Das Eiden, University of Buffalo, State University of New York*

4:15 PM–4:30 PM Break

4:30 PM–5:45 PM **The Scientific Evidence for Short and Long-term Risks of Gestational Marijuana Use and Marijuana Use during Breastfeeding**

 *Natacha DeGenna, University of Pittsburgh*

**6:30 PM–9:30 PM OTIS Reception Off Site/Pizza Nova**

 **(**Mini Bus to depart at 6:15pm & 6:45pm)

**Monday, June 24, 2019**

**7:00 AM–7:45 AM Meeting Planning Committee Marina 6**

**8:00 AM–9:00 AM Keynote Lecture Harbor Island 2**

**Environmental Influences on Child Health Outcomes (ECHO): A National Research Program (L3)**

(Joint with DNTS and TS)

*Chairperson: Christine Perdan Curran, Northern Kentucky University*

*Speakers: Carol J. Blaisdell, Environmental Influences on Child Health Outcomes, NIH and Amy Elliott, Avera Research Institute*

**9:00 AM–9:15 AM Break**

**9:15 AM–12:00 Noon OTIS Abstract Session Harbor Island 3**

*Chairperson: Anick Berard, University of Montreal and CHU Sainte-Justine*

 **Presenting author is underlined.**

9:15 AM–9:20 AM Introduction

9:20 AM–9:40 AM 1 Truong MBT1, Ngo E1, Ariansen H2, Nordeng H1,3. 1Pharmacoepidemiology and Drug Safety Research Group, University of Oslo, Norway, 2The Norwegian Pharmacy Association, Oslo, Norway, 3Department of Child Health and Development, Norwegian Institute of Public Health, Oslo, Norway. Pharmacist Counseling in Early Pregnancy and the Development of a Patient-centered Mobile Application for NVP - the SafeStart Study

9:40 AM–10:00 AM 2 Viens L1, Fleck-Derderian S2, Baez-Santiago M3, Oduyebo T4, Broussard C4, Meaney-Delman D4. 1Chickasaw Nation Industries, Inc., Norman, OK, United States; 2Oak Ridge Institute for Science and Education, Oak Ridge, TN, United States; 3Eagle Medical Services, San Antonio, TX, United States; 4Centers for Disease Control and Prevention, Atlanta, GA, United States. Congenital Zika Syndrome: A Systematic Review of the Role of Prenatal Ultrasound and Amniocentesis

10:00 AM–10:20 AM 3 Perez-D’Gregorio R1, Lawrence RA1,2, Rosen-Carole C1,2, Barton N3, Edell K1, Irvine C1, Miller RK1. 1Department of Obstetrics and Gynecology, MotherToBaby URMedicine/Lactation Study Center, University of Rochester Medical Center, Rochester, NY, United States, 2Department of Pediatrics, MotherToBaby URMedicine/Lactation Study Center, University of Rochester Medical Center, Rochester, NY, United States, 3Department of Pharmacy, MotherToBaby URMedicine/Lactation Study Center, University of Rochester Medical Center, Rochester, NY, United States. Breastfeeding Exposures for 2018 in MotherToBaby UR Medicine: Case Management via REDCap

10:20 AM–10:40 AM Coffee/Tea Break Harbor Island 3

10:40 AM–11:00 AM 4 Janulewicz P1, Borchelt J2, McLaughlin K2, Lutes J3, Bertrand K2, Kao K2, Chambers C2, Jones K2, Adams J3. 1Boston University School of Public Health, Department of Environmental Health, Boston, MS, United States, 2MotherToBaby California, University of California, San Diego, Department of Pediatrics, San Diego, CA, United States, 3University of Massachusetts, Boston, MA, United States. MotherToBaby CA Neurodevelopmental Follow-Up Program (formerly the CTIS Womb to Classroom Screening Program): A Seven-Year Update

11:00 AM–11:20 AM 5 Lupattelli A1, Mahic M2, Handal M2, Ystrom E2, Reichborn-Kjennerud T2, Nordeng Hedvig1,3. 1PharmacoEpidemiology and Drug Safety Research Group, School of Pharmacy & PharmaTox Strategic Initiative, Faculty of Mathematics and Natural Sciences, University of Oslo, Oslo, Norway, 2Department of Mental Disorders, Norwegian Institute of Public Health, Oslo, Norway, 3Department of Child Health and Development, Norwegian Institute of Public Health, Oslo, Norway. Maternal Use of Serotonergic Antidepressants during Pregnancy and Risk of ADHD Diagnosis and Symptoms in offspring

11:20 AM–11:40 AM 6 Ulbrich KA, Shah M, Miller E, Ciolino J, Zumpf K, Wisner KL. Northwestern University Feinberg School of Medicine, Chicago, IL, United States. Identifying Need for Acute Resuscitation in Delivery Room for SSRI Exposed Neonates

11:40 AM–12:00 Noon Discussion

**12:15 Noon–12:15 PM Break**

**12:15 PM–2:15 PM OTIS Lunch Box Training** **Harbor Island 3**

*(Boxed Lunch Provided)*

*Chairperson: Kirstie Perrotta, University of California, San Diego*

 Principles of Epidemiology: What Do All the Numbers Mean?

*Gretchen Bandoli, University of California – San Diego*

 A Closer Look at the Supplement Industry

 *Al Romeo, Utah Department of Health*

**2:15 PM–2:35 PM Break**

**2:****35 PM–5:50 PM** **Integration of Human and Animal Data to Inform** **Harbor Island 3
Medication Use in Pregnant Women: From Drug Labeling to Clinical Trials Symposium**

(Joint with TS)

*Chairpersons: Christina D. Chambers, University of California–San Diego and Marcy Stephens Powell, GlaxoSmithKline*

2:35 PM–2:40 PM Introduction

2:40 PM–3:20 PM A Model for Human and Animal Data Integration: Weight-of-Evidence Strategy

*Keele Elise Wurst, GlaxoSmithKline*

3:20 PM–4:00 PM Integration of Animal and Human Data into Pregnancy and Lactation Risk Assessment: US FDA Perspective

*Leyla Sahin, US Food and Drug Administration*

4:00 PM–4:15 PM Coffee Break—Harbor Island Foyer

4:15 PM–4:55 PM Gaps in the Integration of Human and Animal Data and Inclusion of Women in Clinical Trials

Marjorie R. Jenkins, US Food and Drug Administration

4:55 PM–5:35 PM Case Examples: Interpretation of Label Data and How Much Weight Is Placed on the Nonclinical and Clinical Information

*Sarah Gloria Obican, University of South Florida*

5:35 PM–5:50 PM Discussion

**6:00 PM–8:00 PM Poster Session 2 and Exhibits Attended Nautilus**

(Joint with DNTS and TS)

Teratology Society Posters P37–P70

DNTS Posters P13-P22

OTIS Posters 1–8

**8:00 PM–10:00 PM Teratology Society and MARTA Graduate Students Seabreeze
and Postdoctoral Fellows Career Event**

(Open to Teratology Society, DNTS, and OTIS Graduate Students
and Postdoctoral Fellows)

**Tuesday, June 25, 2019**

**7:00 AM–7:45 AM OTIS/ENTIS Research Consortium Marina 2**

**8:00 AM–9:00 AM Robert L. Brent Lecture—Teratogen Update Harbor Island 2**

**Congenital Heart Defects Research: Finding the Hidden Crossroads between Genetics and Environment (L4)**

(Joint with TS)

*Chairperson:* *Dana L. Shuey, Incyte Corporation*

*Lecturer:* *Cheryl Maslen, Oregon Health Sciences University*

**9:05 AM–12:00 Noon** **Determining Causality in Teratology Symposium Harbor Island 3**

(Joint with TS)

*Chairpersons: Nelson Pace, Exponent, Inc. and Sonja A. Rasmussen, University of Florida*

9:05 AM–9:15 AM Introduction

9:15 AM–9:50 AM Criteria for Assessing Causality in Teratology

*Sonja A. Rasmussen, University of Florida*

9:50 AM–10:25 AM A Smoking Gun that Faced Opposition: The Causal Agent of Fetal Alcohol Spectrum Disorders

*Kenneth Lyons Jones, UCSD, CA MotherToBaby*

10:25 AM–10:40 AM Coffee Break—Harbor Island Foyer

10:40 AM–11:15 AM The Application of Clinical Evidence in the Assessment of Teratogenicity

*John C. Carey, University of Utah*

11:15 AM–11:50 AM Directed Acyclic Graphs (DAGs) for Better Study Design and Causal Thinking in Teratology

*Nelson Pace, Exponent, Inc.*

11:50 AM–12:00 Noon Discussion

**12:00 Noon–1:30 PM Lunch on Own**

**12:00 Noon–1:30 PM OTIS Board Meeting** **Marina 6**

**1****:30 PM–4:30 PM** **Current Topics and Updates for Pregnancy Harbor Island 3**

**Registries Workshop**

(Joint with TS)

*Chairpersons: Deborah Covington, Pharmaceutical Product Development, Inc. and Lewis B. Holmes, MassGeneral Hospital for Children*

1:30 PM–1:35 PM Introduction

1:35 PM–2:00 PM Detection of an Early Signal for Neural Tube Defects with Exposure to Dolutegravir in Botswana

*Rebecca Zash, Beth Israel Deaconess Medical Center*

2:00 PM–2:25 PM Management of Neural Tube Defect Signals in the Antiretroviral Pregnancy Registry: Efavirenz vs. Dolutegravir

*Angela Scheuerle, University of Texas Southwestern Medical Center*

2:25 PM–2:50 PM The Xolair Pregnancy Registry (EXPECT): Perinatal Outcomes among Pregnant Women with Asthma Treated with Omalizumab (Xolair) Compared against Those of a Cohort of Pregnant Women with Moderate-to-Severe Asthma

*Vic Spain, Genentech*

2:50 PM–3:05 PM Coffee Break—Harbor Island Foyer

3:05 PM–3:30 PM First Cases in Small Cohorts: Random Error Playing Games with Us

*Lewis B. Holmes, MassGeneral Hospital for Children*

3:30 PM–3:50 PM Safety of Tetanus, Diphtheria, and Acellular Pertussis Vaccination in a Cohort of Pregnant Active Duty US Military Women

*Hall C1,2, Abramovitz LM1,2, Bukowinski AT1,2, Khodr ZG1,2, Gumbs GR1,2, Wells NY2, Conlin AMS2,3. 1Leidos, Inc., San Diego, CA, United States, 2Naval Health Research Center, San Diego, CA, United States, 3Innovative Employee Solutions, Inc., San Diego, CA, United States*

3:50 PM–4:10 PM Five-Year Survival of Infants with Major Congenital Anomalies: A Registry-Based Study

*Schneuer FJ1, Bell JC1, Shand A2, Walker K3, Badawi N3, Nassar N1. 1The Children's Hospital at Westmead Clinical School, The University of Sydney, Sydney, NSW, Australia, 2Department of Maternal Fetal Medicine, Royal Hospital for Women, Randwick, NSW, Australia, 3Grace Centre for Newborn Care, The Children's Hospital at Westmead, Sydney, NSW, Australia*

4:10 PM–4:30 PM Prevalence and Predictors of Acetaminophen Use in Pregnancy

*Bandoli G, Luo J, Johnson D, Chambers CC. University of California–San Diego, San Diego, CA, United States*

4:30 PM OTIS Program Ends