



***32nd Annual Education Meeting for
Organization of Teratology
Information Specialists***

***Sheraton San Diego Hotel & Marina
San Diego, California***

Saturday, June 22, 2019

- | | | |
|-------------------------|---|------------------------|
| 7:00 AM–12:15 PM | OTIS Board Meeting
<i>Chairperson: Christina D. Chambers, University of California-San Diego</i> | Marina 2 |
| 12:15 PM–1:15 PM | Lunch on Own | |
| 1:15 PM–2:15 PM | OTIS Research Committee Meeting
<i>(OTIS Research Committee Members Only)
Chairpersons: Debra Kennedy, MotherSafe RHW and AI Romeo, Utah Department of Health</i> | Harbor Island 3 |
| 2:15 PM–3:15 PM | OTIS Research Committee & Team Meeting
<i>(OTIS Research Coordinators and Committee Members Only)
Chairpersons: Debra Kennedy, MotherSafe RHW and AI Romeo, Utah Department of Health</i> | Harbor Island 3 |

Saturday, June 22, 2019 (continued)

- 3:30 PM–4:30 PM** **Marketing and Website Committee** **Marina 2**
Chairpersons: Lori Wolfe, UNT Dept. of Biology Texas TIS and Jennifer A. Zellner, University of California, San Diego
- 4:45 PM–5:45 PM** **Membership Committee** **Marina 2**
Chairpersons: Marsha Leen-Mitchell, Utah Department of Health and Mark Roth, Pregnancy Risk Network
- 3:30 PM–5:30 PM** **OTIS Meeting Registration** **Harbor Island 3 Foyer**

Sunday, June 23, 2019

- 8:00 AM–9:00 AM** **OTIS Meeting Registration** **Harbor Island 3 Foyer**
- 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
Chairperson: Christina D. Chambers, University of California – San Diego
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
Chairperson: Al Romeo, Department of Health
Speaker: Gina Lundberg, Emory University School of Medicine
- 12:00 PM–1:00 PM** **Lunch on Own**

Sunday, June 23, 2019 (continued)

1:00 PM–3:00 PM **Gerald G. Briggs Research Symposium** **Harbor Island 3**
Chairperson: Debra Kennedy, MotherSafe RHW

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**
Chairperson: Claire Coles, Emory University

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 from Marina Tower Main Lobby Entrance
at 6:15pm & 6:45pm)

Monday, June 24, 2019

- 7:00 AM–7:45 AM Meeting Planning Committee Marina 6**
Chairpersons: Anna Pupco, The Hospital for Sick Children and Claire Coles, Emory University
- 8:00 AM–9:00 AM OTIS Meeting Registration Harbor Island 3 Foyer**
- 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 H^{1,3}. 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

Monday, June 24, 2019 (continued)

- 10:00 AM–10:20 AM 3 Perez-D'Gregorio R¹, Lawrence RA^{1,2}, Rosen-Carole C^{1,2}, 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 Hedvig^{1,3}. 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

Monday, June 24, 2019 (continued)

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

12:00 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

12:15 PM – 12:30 PM Attendees to get lunch
Trivia Q & A

12:30 PM – 1:15 PM Principles of Epidemiology: What Do All the Numbers Mean?
Gretchen Bandoli, University of California, San Diego

1:15 PM – 2:15 PM A Closer Look at the Supplement Industry
Alfred N. Romeo, Utah Department of Health

2:15 PM–2:35 PM Break

**2:35 PM–5:50 PM Integration of Human and Animal Data Harbor Island 3
to Inform 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

Monday, June 24, 2019 (continued)

- 4:00 PM–4:15 PM Coffee Break—Harbor Island Foyer
- 4:15 PM–4:55 PM Women in Clinical Trials From Past to Present Through a Regulatory Lens
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 and Postdoctoral Fellows Career Event Seabreeze
(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
Chairperson: Hedvig Nordeng, University of Oslo

8:00 AM–9:00 AM OTIS Meeting Registration Harbor Island 3 Foyer

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

Chairperson: Christina Chambers, University of California-San Diego

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

(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

Tuesday, June 25, 2019 (continued)

- 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 C^{1,2}, Abramovitz LM^{1,2}, Bukowinski AT^{1,2}, Khodr ZG^{1,2}, Gumbs GR^{1,2}, Wells NY², Conlin AMS^{2,3}.
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 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*
- 4:10 PM–4:30 PM Discussion

4:30 PM

OTIS Program Ends

Conflict of interest forms held by the Organization of Teratology Information Specialists National Office.