



50th Annual Symposium / 50^e Symposium Annuel

December 10th – 12th, 2018

Courtyard by Marriott Toronto Downtown

475 Yonge St

Toronto, ON

M4Y 1X7

**WHAT'S IN A NAM? (NOVEL APPROACH
METHODOLOGIES) BENEFITS/
LIMITATIONS/TRANSLATION/COMMUNICATION**

**QU'EST CE QUE LES NAM? (NOUVELLES
APPROCHES MÉTHODOLOGIQUES)
AVANTAGES/LIMITES/INTERPRÉTRATION/
COMMUNICATION.**

Organized by / Organisé par:

SOCIETY OF TOXICOLOGY OF CANADA
LA SOCIÉTÉ DE TOXICOLOGIE DU CANADA

Program Committee / Comité du programme:

Elaine Leslie, University of Alberta, Chair and Academic Member

Ella Atlas, Health Canada, Government Member

Joanne Wan, Intertek, Industry Member

Local Organizing Committee/Comité organisateur local:

Tania Onica, Grazyna Kalabis, and Sara Tavakoli, Ontario MECP

Eric Liberda, Ryerson University

David Riddick, University of Toronto

Monday, December 10th PM

- 2:00 – 5:00 STC Board Meeting
- 7:00 Welcome Reception

Tuesday, December 11th AM

- 7:30 Registration / Breakfast
- 8:45 Opening Remarks
Angela Hofstra, STC President, Syngenta Canada, Guelph, Ontario
- 8:50 **SESSION I: Alternative Approaches to Toxicity Testing**
Co-Chairs: Charu Chandrasekera, University of Windsor, Windsor, Ontario
Troy Seidle, Humane Society International, Toronto, Ontario
- 08:50-9:00 **Charu Chandrasekera**, University of Windsor, Windsor, Ontario
“Overview of the New Canadian Centre for Alternatives to Animal Methods”
- 09:00-9:30 **Anna Lowit**, Senior Science Advisor, Office of Pesticide Programs, Environmental Protection Agency, Washington, DC
“Recent Progress on Implementing New Approach Methodologies at USEPA”
- 9:30-10:00 **Milica Radisic**, Professor and Canada Research Chair (Tier 2), Institute of Biomaterials and Biomedical Engineering, University of Toronto, Toronto, Ontario
“Engineering Atrial and Ventricular Cardiac Tissues for Drug Testing.”
- 10:00-10:30 **Rocky Goldsmith**, Computational Discovery Chemistry Lead, Bayer U.S., Chesterfield, Missouri
“Molecular De-risking by Design: Modeling and Simulation to Advance Safer Chemistries”
- 10:30-11:15 **Coffee Break and Poster Viewing**
- 11:15-11:45 **Carole Yauk**, Health Canada, Ottawa, Ontario
“Dose-response Modelling of Transcriptomic Data: Progress and Potential for Risk Assessment Applications.”
- 11:45 to 12:15 **Andy Nong**, Health Canada, Ottawa, Ontario
“Good and New Computational Practices for 21st Century Risk Assessment.”
- 12:15-1:30 **Lunch and Poster viewing** (*judging*)

SESSION II: Alternative Approaches to Toxicity Testing Continued

Chair: Elaine M. Leslie, University of Alberta, Edmonton, Alberta

- 1:30-2:00** **Yadvinder Bhuller**, Health Canada, Ottawa, Ontario
“New Approach Methodologies – Is there another way to address the underlying regulatory question?”
- 2:00-2:45** **KEYNOTE TALK: George Daston**, Victor Mills Society Research Fellow at The Procter & Gamble Company, Cincinnati, Ohio
“New Approaches for Predicting Toxicity”
- 2:45-3:15** **Break/Poster viewing** (*Judging*)

SESSION III

- 3:15-4:00** **Gabriel Plaa Award Lecture**
Chair: Angela Hofstra, Syngenta Canada, Guelph, Ontario
- Peter G. Wells**, University of Toronto, Toronto, Ontario
“A Novel Developmental Role for 'Tumor' Suppressor Genes in Protecting the Fetus From Reactive Oxidative Species.”
- 4:00** **MEMBERS - STC Annual Business Meeting**
- 4:00** **Student/Post-doctoral Fellow Mentoring Session**
- 6:00** **President’s Reception, 50th Reunion, and STC Awards**
Location: Batch, 75 Victoria St, Toronto, M5C 2B1
ToxTrivia – Challenge your knowledge of toxicology, STC history, and the 2018 STC symposium talks and posters!

Wednesday, December 12th AM

- 7:30** Breakfast
- 8:25** **SESSION IV: Translational Toxicology**
Chair: Ella Atlas, Health Canada, Ottawa, Ontario
- 8:30-9:00** **Jack Uetrecht**, Professor of Pharmacy and Medicine, Leslie Dan Faculty of Pharmacy, University of Toronto, Toronto, Ontario
“Finally, a Valid Animal Model of Idiosyncratic Adverse Drug Reactions”
- 9:00-9:30** **David Clarke**, Drug Safety Research and Development, Pfizer Inc, Pearl River, New York
“Challenges in the Preclinical Assessment of Efficacy and Safety for Immune

- Oncology Products.”
- 9:30-10:00** **Eric Liberda**, School of Occupational and Public Health, Ryerson University, Toronto, Ontario
 “Indigenous Knowledge Holders and the “Two-Eyed Seeing” Approach to Environmental Health Investigations.”
- 10:00-10:25** **Coffee Break and Poster Viewing**
- 10:25** **SESSION V: INVITED STUDENT PLATFORM PRESENTATIONS**
Chair: Christopher Nicol, Queen’s University, Kingston, Ontario
- 10:30** *Short talk:* STUDENT#1, TBD
- 10:45** *Short talk:* STUDENT#2, TBD
- 11:00** *Short talk:* STUDENT#3, TBD
- 11:15** *Short talk:* STUDENT#4, TBD
- 11:30** **SESSION VI: Risk Communication and Assessment**
Chair: Joanne Wan, Intertek, Mississauga, Ontario
- 11:30-12:10** **Ron Brecher and Trevor Smith Diggins**, RiskPartners.ca, Guelph, Ontario
 “Risk Communication: Make the Science Make Sense”
- 12:10-1:10** **Lunch (and Poster Takedown)**
- 1:10** **Lois Haighton**, Director, Toxicology & Regulatory Affairs, Food and Nutrition, Intertek, Mississauga, Ontario
 “Risk Assessment of Cannabis, Not Just Another Food Ingredient”
- 1:40** **Andrea Amendola and Ruwan Jayasinghe**, Golder, Mississauga, Ontario
 “Applications of Toxicology in Support of Human Health Risk Assessments”.
- 2:15** **Miriam Diamond**, Professor, Department of Earth Sciences, University of Toronto, Toronto, Ontario.
 “The Gulf Between Stakeholders Illustrated by Flame Retardants in Electronic Products.”
- 2:45-3:00** Closing