SOT FDA Colloquia on Emerging Toxicological Science: Challenges in Food and Ingredient Safety

October 24, 2017

In Vitro to *In Vivo* Concordance Studies for Food Safety Assessment in Humans

Chair: Bryan Delaney, PhD, DABT, ATS, DuPont Pioneer, Johnston, IA

Co-Chair: Paddy Wiesenfeld, PhD, CFSAN, US FDA, Laurel, MD

Food Safety Colloquia Series

The Society of Toxicology in conjunction with the US FDA Center for Food Safety and Applied Nutrition CFSAN) have partnered to provide a colloquia series. The series presents scientific information that is high-quality, cutting-edge, future-oriented toxicological science to provide a well-grounded foundation to inform the work of FDA employees. These sessions are open to the public to attend in person or via webcast, these events are not a public forum for discussion of toxicology regulatory issues.

Schedule *(All times are Eastern US, GMT-4)*

8:00 AM–8:30 AM	**Badge Pick Up** Meeting Desk
8:30 AM–8:35 AM	**Welcome from US FDA** **Steven Musser,** PhD, Deputy Director of Scientific Operations for CFSAN, CFSAN, US FDA, College Park, MD
8:35 AM–8:50 AM	**Welcome from SOT and Speaker Introductions** **Bryan Delaney,** PhD, DABT, ATS, DuPont Pioneer, Johnston, IA
8:50 AM–9:30 AM	**'Omic Biomarkers for Assessing Cellular Toxicity: Integration of *In Vivo* and *In Vitro* Data—Why It Is Important** **Bruce Fowler,** PhD, ATS, Toxicology and Risk Assessment Consulting Services, LLC, Rockville, MD
9:30 AM–10:10 AM	**Establishing an Integrated *Ex Vivo* Female Reproductive Tract in the Microfluidic Platform: Screening of Reproductive Toxic Chemicals** **Shuo Xiao,** PhD, University of South Carolina, Columbia, SC
10:10 AM–10:30 AM	**Break**
10:30 AM–11:10 AM	**Investigation of an *In Vitro* Method for Protein Hazard Characterization** **Bryan Delaney,** PhD, DABT, ATS, DuPont Pioneer, Johnston, IA
11:10 AM–11:50 AM	**Analysis of *In Vitro* to *In Vivo* Concordance Studies for Food Safety Assessment in Humans** **Miriam E. Mossoba,** PhD, US FDA, Laurel, MD
11:50 AM–12:50 PM	**Roundtable Discussion** **Moderator: Paddy Wiesenfeld,** PhD, US FDA, Laurel, MD All speakers
1:00 PM–2:00 PM	**Informal Lunch for Speakers and FDA Employees will be held in CPK 1 - 3B047, Wiley Building (bring your own lunch).** FDA employees are welcome up to the capacity of the room.

US FDA, College Park, Maryland • Live Webcast

Organizing Committee

Bryan Delaney, PhD, DABT, ATS, Colloquium Series Chair, DuPont Pioneer, Johnston, IA

Jason L. Aungst, PhD, US FDA, College Park, MD

Suzanne Compton Fitzpatrick, PhD, DABT, US FDA, College Park, MD

Norbert E. Kaminski, PhD, Michigan State University, East Lansing, MI

Jieun Lee, PhD, DABT, Kellogg, Battle Creek, MI

Stephen M. Roberts, PhD, University of Florida, Gainesville, FL

Allen Rudman, PhD, US FDA, College Park, MD

Jeffrey J. Yourick, PhD, DABT, ATS, US FDA, Laurel, MD

John B. Morris, Council Contact, University of Connecticut, Storrs, CT

Paddy Wiesenfeld, PhD, Colloquium Co-Chair, CFSAN, US FDA, Laurel, MD

Betty Eidemiller, SOT Staff, Reston, VA

Tentative 2017–2018 Colloquia

December: Neuropharmacology of Food Additives
March: Risk Assessment of Mixtures
May: Biotechnology of Modern Agriculture

Previous Colloquia

Recordings and Materials available at: http://www.toxicology.org/fda

Safety Assessment of Food Packaging and Other Food Contact Substances

Considerations for the Determination of Adversity in Food Chemical Safety Evaluations

Application of *In Vitro* to *In Vivo* Extrapolation in Safety Assessment

State of the Science in Developmental Neurotoxicology

Safety Assessment Approaches in Young Children

State of the Art in the Cramer Classification Scheme and Threshold of Toxicological Concern

Role of Mode of Action in Dose-Response Assessment for Carcinogens

A Path Forward for Using Computational and *In Vitro* Methods for Food Ingredient Assessments

Contemporary Issues in Risk Assessment

Immunotoxicology in Food and Ingredient Safety Assessment: Approaches and Case Studies

Application of ADME/PK Studies to Improve Safety Assessments for Foods and Cosmetics

Complexities in Evaluating Human Clinical and Observational Data for Ingredient Safety Assessment: Partially Hydrogenated Oils (PHOs) As a Case Study

Visit **www.toxicology.org** to explore other learning opportunities.

SOT | Society of Toxicology
Creating a Safer and Healthier World by Advancing the Science and Increasing the Impact of Toxicology
11190 Sunrise Valley Drive, Suite 300, Reston, Virginia 20191 | Tel: 703.438.3115 | Email: sothq@toxicology.org