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

December 1, 2016

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

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Lisa M. Sweeney, Co-Chair, PhD, DABT, Naval Medical Research Unit Dayton, Dayton, OH

Food Safety Colloquia Series

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

Schedule *(All times are Eastern US, GMT-5)*

8:00 AM–8:30 AM	**Badge Pick Up** Meeting Desk
8:30 AM–8:35 AM	**US FDA Welcome and Overview** **Mary D. Ditto,** PhD, CFSAN, US FDA, College Park, MD
8:35 AM–8:50 AM	**Welcome from SOT and Introductions** **Peter L. Goering,** PhD, SOT Past President, US FDA, Silver Spring, MD
	Speaker Introductions **Richard A. Becker,** American Chemistry Council, Washington, DC
8:50 AM–9:30 AM	**Overview and Principles Underpinning *In Vitro* to *In Vivo* Extrapolation** **Lisa M. Sweeney,** Naval Medical Research Unit Dayton, Dayton, OH
9:30 AM–10:10 AM	**Data Requirements for Developing IVIVE Models** **Nynke Kramer,** Utrecht University, Netherlands
10:10 AM–10:30 AM	**Break**
10:30 AM–11:10 AM	**Examples Illustrating Potential Applications of IVIVE in Chemical Assessment** **Miyoung Yoon,** ScitoVation, Research Triangle Park, NC
11:10 AM–11:50 AM	**Opportunities and Challenges for Using IVIVE to Improve Decision Making** **Weihsueh Chiu,** Texas A&M University, College Station, TX
11:50 AM–12:50 PM	**Roundtable Discussion** **Richard A. Becker,** Moderator **All speakers**
1:00 PM–2:00 PM	**Informal Lunch for Speakers and US FDA Employees** **Room 2A023** (Bring your own lunch) US FDA employees are welcome up to the capacity of the room.

US FDA, College Park, Maryland • Live Webcast

Organizing Committee

Ivan Rusyn, MD, PhD, Colloquia Series Chair, Texas A&M University, College Station, TX

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

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

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

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

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

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

Peter L. Goering, PhD, DABT, ATS, SOT Council Contact, US FDA, CDRH, Silver Spring, MD

Richard A. Becker, Colloquium Chair, American Chemistry Council, Washington, DC

Other SOT FDA Colloquia

March 2017
Clarifying "Adversity" in Food Safety

May 2017
To be Announced

Previous Colloquia

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

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 Carcinogen

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.

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