



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

October 11, 2018

The Big 8: Advances in Food Allergy Risk Assessment and Management

Wiley Auditorium, US FDA, CFSAN, College Park, MD
Chair: Steve Taylor, University of Nebraska, Lincoln, NE
Co-chair: Stefano Luccioli, US FDA, College Park, MD

Food Safety Colloquia Series

The Society of Toxicology and the US FDA Center for Food Safety and Applied Nutrition (CFSAN) have partnered to provide this 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 US 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.

Food allergies are increasing in prevalence and pose a significant public health burden. Major food allergens (The Big 8) are defined in the Food Allergen Labeling and Consumer Protection Act (FALCPA) and are also addressed in the risk-based Preventive Controls for Human Food rule of the FDA Food Safety Modernization Act (FSMA). Yet, presence of incidental and poorly declared levels of allergens in food products continues to present challenges for the food industry, regulators, and consumers and are an important cause of food recalls and accidental allergic reactions. The purpose of this symposium is to explore the latest issues influencing the food allergy risk assessment and management landscape, including 1) identification and characterization of IgE-mediated allergen hazards, 2) clinical prevention and treatment of food allergies, 3) understanding dose thresholds, and 4) implementation of allergen preventive controls and labeling.

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

8:00 AM–8:30 AM	Badge Pick Up
8:30 AM–8:45 AM	US FDA Welcome and Overview Susan T. Mayne , CFSAN Director, US FDA , College Park, MD
	Welcome from SOT and Introductions Bryan Delaney , SOT FDA Colloquium Committee Chair, Corteva Agriscience™ Agriculture Division of DowDuPont, Johnston, IA
8:45 AM–9:25 AM	The Public Health Impact of Food Allergies: What are the Challenges? Stefano Luccioli , US FDA, CFSAN, College Park, MD
9:25 AM–10:05 AM	Clinical Management of Food-Allergic Patients: Prevention and Treatment—Where Do We Stand? Matthew Greenhawt , Colorado Children’s Hospital, Denver, CO
10:05 AM–10:25 AM	Break
10:25 AM–11:05 AM	How Much Is Too Much? Threshold Dose for Allergenic Foods Joseph Baumert , University of Nebraska, Lincoln, NE
11:05 AM–11:45 AM	Food Industry Perspective on Controlling the Risk Scott Hegenbart , ConAgra Brands, Omaha, NE
11:45 AM–12:45 PM	Roundtable Discussion Moderator: Steve Taylor, University of Nebraska, Lincoln, NE All Speakers

US FDA, College Park, Maryland • Live Webcast

Organizing Committee

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

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Betty Eidemiller, PhD, SOT Staff, Reston, VA

Future 2018-2019 Colloquia

- **Has the Time Passed for Separate Cancer and Non-Cancer Risk Assessment?**
- **Bioprinting and Food Safety**
- ***In Silico* and *In Vitro* Computational Modeling and Methods for Food and Cosmetic Safety**

Most Recent Colloquia

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

- **Food from Genetically Engineered Plants: What Role for Metabolomics?**
- **Can Alternatives Inform the Risk Assessments of Mixtures in Food?**
- ***In Vitro* to *In Vivo* Concordance for Toxicity Prediction and Use in Safety Assessments**
- **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**

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