Redesigning the Rodent Bioassay for the 21st Century

February 20, 2019
Welcome from FDA

Admiral Denise Hinton
Chief Scientist
US FDA, Silver Spring, MD
Colloquium Series

- Partnership of U.S. FDA’s Center for Food Safety and Applied Nutrition (CFSAN) and the Society of Toxicology (SOT)
- Stimulate a dialogue among leading toxicology experts on future-oriented toxicological science relevant to food and food ingredient safety assessment
- Information for FDA employees and the public
- Not a forum for soliciting regulatory advice or discussing food or food ingredient regulatory issues
- They are a forum to discuss the latest toxicological science in the context of food chemical safety.
Welcome from SOT and Introductions

Suzanne Compton Fitzpatrick
US FDA
College Park, MD
Suzanne.Fitzpatrick@fda.hhs.gov
Society of Toxicology Mission

To Create a Healthier and Safer World by Advancing the Science and Increasing the Impact of Toxicology

Among Strategic Priorities

• Strengthen the Relevance and Impact of Toxicology
• Develop and Support Toxicologists to Capitalize on Future Opportunities
• Expand Outreach and Impact Globally
On behalf of SOT—Welcome!

Colloquium series history

• FDA sponsor–SOT organizer
• Food ingredient safety
• 2014–Present
  - 16 Colloquia so far…
Colloquium Impact

- Fifth year of quarterly colloquia
- Wide-ranging topics related to toxicology and food safety
- Global audience from all employment sectors
  - About 70 onsite
  - Over 275 webcast registrants from 17 countries
- Resource for 24/7 learning
  - [www.toxicology.org](http://www.toxicology.org) for recordings and slides
## SOT FDA Colloquia 2017-2018 Recording and Slide Downloads

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<th>Colloquium Title</th>
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<td>Food from Genetically Engineered Plants: What Role for Metabolomics?</td>
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<td>Can Alternatives Inform the Risk Assessments of Mixtures in Food?</td>
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<td>Analysis of \textit{In Vitro} to \textit{In Vivo} Concordance Studies for Food Safety Assessment in Humans</td>
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<td>Safety Assessment of Food Packaging and Other Food Contact Substances</td>
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<td>Application of \textit{In Vitro} to \textit{In Vivo} Extrapolation in Safety Assessment</td>
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<td>9,708</td>
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<td>State of the Science in Developmental Neurotoxicology</td>
<td>10/12/16</td>
<td>49,828</td>
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Downloads through June 2018 86,934
SOT FDA Organizing Committee

Bryan Delaney, PhD, DABT, ATS, Committee Chair, DuPont Pioneer, Johnston, IA
Allen Rudman, PhD, Committee Co-chair, FDA Lead, US FDA, CFSAN, College Park, MD
Jason L. Aungst, PhD, US FDA, CFSAN, College Park, MD
Suzanne Compton Fitzpatrick, PhD, DABT, US FDA, CFSAN, College Park, MD
Jieun Lee, PhD, DABT, Kellogg, Battle Creek, MI
Stephen M. Roberts, PhD, University of Florida, Gainesville, FL
Jia-Sheng Wang, MD, PhD, University of Georgia, Athens, GA
Jeffrey J. Yourick, PhD, DABT, ATS, US FDA, CFSAN, Laurel, MD
Patricia Ganey, PhD, SOT Council Contact, Michigan State University, East Lansing, MI
Today

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

US FDA, Wiley Auditorium, College Park, Maryland • Live Webcast

Chair: Stephen Taylor, University of Nebraska, Lincoln, NE

Co-chair: Stefano Lucciolli, US FDA, College Park, MD
Today

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

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
The Big: Advances in Food Allergy Risk Assessment and Management

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
References

SOT FDA Colloquium website

- http://www.toxicology.org/events/shm/fda/fda.asp