Welcome

Mickey Parish, PhD
Acting Director, Senior Science Advisor Staff
CFSAN, US FDA, College Park, MD
Colloquium Series

- Partnership SOT and US FDA Center for Food Safety and Applied Nutrition (CFSAN)
- High-quality, cutting-edge, future-oriented toxicological science
- Information for FDA employees and the public
- Not a public forum for discussion of toxicology regulatory issues
Welcome from SOT

Peter L. Goering, PhD, DABT, ATS
Past President, Society of Toxicology
Society of Toxicology Mission

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

Strategic Priorities

• Strengthen the Relevance and Impact of Toxicology
• Develop and Support Toxicologists to Capitalize on Future Opportunities
• Expand Outreach and Impact Globally
Eight Previous Colloquia: Topics

- Safety Assessment Approaches in Young Children
- Cramer Classification and Threshold of Toxicological Concern
- Mode of Action in Dose-Response Assessment for Carcinogens
- Computational and *In Vitro* Methods for Assessments
- Contemporary Issues in Risk Assessment
- Immunotoxicology in Safety Assessment:
- ADME/PK Studies to Improve Safety Assessments
- Clinical and Observational Data for Safety Assessment: Partially Hydrogenated Oils
Wide-Reaching Impact

- Total attendance: Webcast 2,368; onsite 487
- Total speaker slide page views
<table>
<thead>
<tr>
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<th>Excellent + Good</th>
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<tbody>
<tr>
<td>Overall session quality</td>
<td>95%</td>
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<tr>
<td>Amount of time devoted to the topic</td>
<td>97%</td>
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<tr>
<td>Relevancy of content for my work</td>
<td>84%</td>
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<tr>
<td>Appropriate depth of content</td>
<td>91%</td>
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<tr>
<td>Match of colloquium to my expectations</td>
<td>89%</td>
</tr>
<tr>
<td>Overall session quality</td>
<td>95%</td>
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N=478
Feedback: Safety Assessment Approaches in Young Children  May 20, 2016

- This was one of the most useful webcasts I have attended in terms of the speaker's presentation skills and the presentation of useful information.
- Speakers were great choices and presentations were very well done.
- These colloquia address my training needs and are on a diverse set of topics related to toxicology. Please keep this series going for as long as possible.
I have attended all of the colloquia to date via the web. I have generally been impressed with the quality of the presentations.

These colloquium are an excellent opportunity to extend continuing education and professional development opportunities to the people who do not have funding to attend meetings or special topics in person. It is a marvelous chance to hear thought leaders in the subject matter give updates and opinions.

An excellent initiative.
SOT FDA Organizing Committee

Ivan Rusyn, MD, PhD, Committee 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
Norbert Kaminski, PhD, Michigan State University, East Lansing, MI
Jieun Lee, PhD, DABT, Kellogg, Battle Creek, MI
Allen Rudman, PhD, FDA Lead, US FDA, CFSAN, College Park, MD
Jeffrey J. Yourick, PhD, DABT, ATS, US FDA, CFSAN, Laurel, MD
Peter Goering, PhD, DABT, ATS, SOT Council Contact, US FDA, CDRH, Silver Spring, MD
Timothy J. Shafer, PhD, Colloquium Chair, US EPA, Research Triangle Park, NC
Yen-Ching Wu, BA, PhD, for this colloquium, US FDA, CSFAN, College Park, MD
Colloquium Leads

Chair: Timothy J. Shafer, PhD
   US EPA, Research Triangle Park, NC

Co-chair: Jeffrey J. Yourick, PhD,
   DABT, ATS
   US FDA, CFSAN, Laurel, MD
Agenda

- 8:50 AM–9:30 AM  
  Developmental Neurotoxicity Testing: An Introduction to the State of the Science and Opportunities for Improvement, Charles V. Vorhees, Cincinnati Children's Hospital Research Foundation, Cincinnati, OH

- 9:30 AM–10:10 AM  
  Zebrafish as an Alternative Species for Developmental Neurotoxicity Testing that can Provide Hazard Identification and Mechanistic Information, Randall T. Peterson, Harvard University, Boston, MA

10:30 AM–11:10 AM
- In Vitro Approaches to Screening Compounds for Developmental Neurotoxicity Hazard, Ellen Fritsche, University of Düsseldorf, Düsseldorf, Germany

11:10 AM–11:50 AM
- Adverse Outcome Pathways for Developmental Neurotoxicity, Anna K. Price, ECVAM, Ispra, Italy

11:50 AM–12:50 PM
- Roundtable Discussion, Timothy Shafer, Moderator, Jason, Aungst, All Speakers
Developmental Neurotoxicity Testing: An Introduction to the State of the Science and Opportunities for Improvement

Charles V. Vorhees
Cincinnati Children's Hospital Research Foundation
Cincinnati, OH