

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



**Integrated Approaches to  
Testing and Assessment:  
The Future of Regulatory  
Toxicology Assessment**

**May 28, 2020**



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



**Welcome**

**Suzanne Fitzpatrick, PhD, DABT**

**Colloquium Co-Chair**

**CFSAN**

**US Food and Drug Administration**



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## Colloquium Series

- Partnership of US FDA Center for Food Safety and Applied Nutrition (CFSAN) and the Society of Toxicology (SOT)
- Fifth year of quarterly colloquia
- Stimulate a dialogue among leading toxicology experts on future-oriented toxicological science relevant to food and food ingredient safety assessment
- Are a forum to discuss the latest toxicological science in the context of food chemical safety
- Not a forum for soliciting regulatory advice or discussing food or food ingredient regulatory issues



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## Colloquium Series

- These colloquia are open to the public via webcast at no cost.
- Global audience from all employment sectors
- Recording and slides for all of the colloquia are available at [www.toxicology.org](http://www.toxicology.org)

# SOT FDA Organizing Committee

- Allen Rudman, PhD, Colloquium Series Chair 2019-2020, College Park, MD
- Jia-Sheng Wang, MD, PhD, Colloquium Series Chair 2020-2021, University of Georgia, Athens, GA
- Udayan Apte, PhD, DABT, Colloquium Series Co-chair 2020-2021
- Jason L. Aungst, PhD, FDA Liaison, US FDA, College Park, MD
- Suzanne Compton Fitzpatrick, PhD, DABT, US FDA, College Park, MD
- Stephen W. Edwards, PhD, RTI International, Chapel Hill, NC
- A. Wallace Hayes, PhD, DABT, ERT, ATS, FRSB, FACFE, University of South Florida and Michigan State University, Temple Terrace, FL
- Jieun Lee, PhD, DABT, CJ Foods, Inc., La Palma, CA
- Stephen M. Roberts, PhD, University of Florida, Gainesville, FL
- Jeffrey J. Yourick, PhD, DABT, ATS, US FDA, Laurel, MD
- Anne Chappelle, PhD, DABT, Council Contact 2019-2020, Chadd's Ford, PA
- Alison H. Harrill, PhD, Council Contact 2020-2021, NTP, Durham, NC





## **Overview and Speaker Introductions**

**Lidia Ceriani, MSc**

**Colloquium Chair**

**Humane Society International**

# Schedule (times Eastern US UTC-4)

8:40 AM-8:55 AM **Integrated Approaches to Testing and Assessment (IATA)–An Introduction**, Lidia Ceriani, Humane Society International, Brussels, Belgium

8:55 AM-9:15 AM **Uncertainty Characterization in IATA for Chemical Safety Assessment: Overview of Available Guidance**, Andrea-Nicole Richarz, ECHA, Helsinki, Finland

9:15 AM-9:50 AM **Learnings and Recommendations from Four EU-ToxRisk Case Studies on Applying New Approach Methodologies Data to Support Read-Across**, Susanne Hougaard Bennekou, Technical University of Denmark, Copenhagen, Denmark

9:50 AM-10:00 AM **Break**

10:00 AM-10:35 AM **IATA as an Opportunity for Next-Generation Risk Assessment: The Propylparaben Case Study**, Gladys Ouédraogo, L'Oréal, Paris, France

10:35 AM-11:10 AM **Global Harmonization Efforts for Skin Sensitization IATA**, Nicole Kleinstreuer, NICEATM, Durham, NC

11:10 AM-11:45 AM **Applications of New Multi-Organ-Chip Tools for Toxicity Assessment**, Reyk Horland, TissUse GmbH, Berlin, Germany

11:45 AM-12:45 PM **Roundtable Discussion**, Moderator: Lidia Ceriani, all speakers