

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



Artificial Intelligence Applications in Food and Cosmetic Safety

April 29, 2020



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



Welcome

Amy P. Abernethy, MD, PhD
Principal Deputy Commissioner
Acting Chief Information Officer
US Food and Drug Administration



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Overview and Speaker Introductions

Ernest K. Kwegyir-Afful, PhD
Colloquium Co-Chair
CFSAN, US FDA



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

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



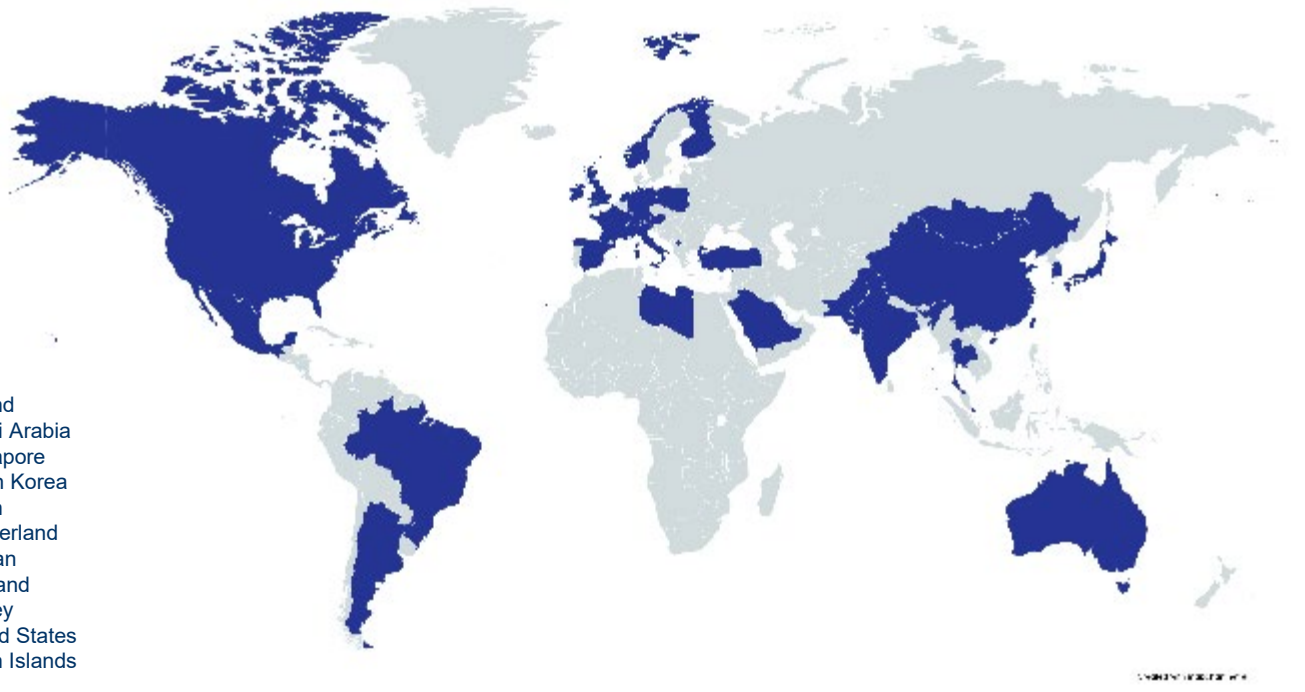
Colloquium Series

- These colloquia are open to the public to attend in person or via webcast.
- Global audience from all employment sectors

2018-2019 Webcast Registration by Country

34 Countries

Argentina
Australia
Austria
Belgium
Brazil
Canada
China
Denmark
Finland
France
Germany
Great Britain/UK
Hong Kong
India
Italy
Japan
Libya
Macedonia
Mexico
Mongolia
Netherlands
Norway
Pakistan
Poland
Saudi Arabia
Singapore
South Korea
Spain
Switzerland
Taiwan
Thailand
Turkey
United States
Virgin Islands



Schedule

10:10 AM– 10:45 AM	From Artificial to Real: AI Stories in Government , Steve Bennett, SAS Institute
10:45 AM– 11:20 AM	Artificial Intelligence: Introduction, Applications, and an Overview of the Colloquium , Jim Riviere, 1DATA Consortium
11:20 AM– 11:55 AM	AI Technologies for Future Factory Cleaning , Nicholas Watson, University of Nottingham
11:55 AM– 12:30 PM	Using AI to Extend QSAR Models , Chaoyang (Joe) Zhang, University of Southern Mississippi
12:30 PM– 1:05 PM	Using Machine Learning for Cosmetics and Cosmetic Ingredients , Tim Allen, University of Cambridge
1:05 PM– 2:00 PM	Roundtable Discussion , Moderator: Jim Riviere, all speakers, Ernest K. Kwegyir-Afful

SOT FDA Organizing Committee

Allen Rudman, PhD, Colloquium Series Chair, US FDA, College Park, MD

Jia-Sheng Wang, MD, PhD, Colloquium Series Co-Chair, University of Georgia, Athens, GA

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

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

A. Wallace Hayes, University of South Florida and Michigan State University, Temple Terrace, FL

Jieun Lee, PhD, DABT, CJ Foods, Inc., LaPalma, CA

Stephen M. Roberts, PhD, University of Florida, Gainesville, FL

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

Anne H. Chappelle, PhD, DABT, SOT Council Contact, Chadds Ford, PA

Betty Eidemiller, PhD, SOT Staff, Reston, VA

