

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



**Immunotoxicology in Food
and Ingredient Safety
Assessment: Approaches
and Case Studies**

April 14, 2015



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

Welcome from FDA

Susan Mayne, PhD

Director, Center for Food Safety and Nutrition
College Park, MD





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Future Colloquia

Colloquium 4: June 17, 2015

Contemporary Issues in Risk Assessment



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Welcome from SOT

Peter Goering, PhD

Vice-President, Society of Toxicology

SOT | Society of
Toxicology



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SOT 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



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Colloquium 1

November 7, 2014

Complexities in Evaluating Human Clinical and Observational Data for Ingredient Safety Assessment: Partially Hydrogenated Oils (PHOs) As a Case Study

Onsite Participants	95
Webcast	239
Video Recording Views	140
Presentation Slide Downloads	1,278

Video, slides, captioning text available at
<http://www.toxicology.org/fda>



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Colloquium 2

February 23, 2015

**Application of ADME/PK Studies to Improve Safety
Assessments for Foods and Cosmetics**

Onsite Participants	46
Webcast	195

Video, slides, available at <http://www.toxicology.org/fda>
(captioning text is pending)

Immunotoxicology in Food and Ingredient Safety Assessment: Approaches and Case Studies

Schedule

8:15 AM-8:25 AM US FDA Welcome and Overview, Susan Mayne, Director, US FDA, CFSAN, College Park, MD

8:25 AM-8:30 AM Welcome from SOT, Peter Goering, Vice-President, SOT, FDA, Silver Spring, MD

8:30 AM-9:15 AM Introduction to Immunology and Immunotoxicology, Dori Germolec, National Toxicology Program, NIEHS, Research Triangle Park, NC

9:15 AM-10:00 AM Immunomodulatory Effects of Perfluorinated Compounds in Rodents and Humans, Jamie DeWitt, East Carolina University, Greenville, NC

10:00 AM-10:15 AM Break



Immunotoxicology in Food and Ingredient Safety Assessment: Approaches and Case Studies

Schedule

10:15 AM-11:00 AM Use of Adjuvant-free Food Allergy Model to Study Immunotoxic Effects of the Food Additive tBHQ, Cheryl Rockwell, Michigan State University, East Lansing, MI

11:00 AM-11:45 PM Dietary Supplement Modulation of Autoimmune Disease, Prakash Nagarkatti, University of South Carolina School of Medicine, Columbia, SC

11:45 PM-12:30 PM Roundtable Discussion
Dori Germolec, Moderator
All Speakers



Organizing Committee

James J. Pestka, PhD, Colloquia Series Chair, Michigan State University, East Lansing, MI

Dori Germolec, PhD, Colloquium 3 Chair, National Toxicology Program, NIEHS, Research Triangle Park, NC

Bryan Delaney, PhD, DABT, ATS, DuPont Pioneer, Johnston, IA

Ji-Eun Lee, PhD, DABT, Kellogg, Battle Creek, MI

Ivan Rusyn, MD, PhD, Texas A&M University, College Station, TX

Allen Rudman, PhD, FDA Lead, US FDA, Office of Food Additive Safety, CFSAN, College Park, MD

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

Ronald Chanderbhan, PhD, US FDA, CFSAN, College Park, MD

Kristi Muldoon Jacobs, PhD, US FDA, CFSAN, College Park, MD

Sabine Francke-Carroll, DVM, PhD, US FDA, CFSAN, College Park, MD

Catherine Whiteside, PhD, US FDA, CFSAN/OFVM/CFSAN, College Park, MD





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Introduction to Immunology and Immunotoxicology

Dori Germolec, PhD

National Toxicology Program, NIEHS

Research Triangle Park, NC



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Immunomodulatory Effects of Perfluorinated Compounds in Rodents and Humans

Jamie DeWitt, PhD

East Carolina University

Greenville, NC



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Use of Adjuvant-Free Food Allergy Model to Study Immunotoxic Effects of the Food Additive tBHQ

Cheryl Rockwell, PhD

Michigan State University

East Lansing, MI



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Dietary Supplement Modulation of Autoimmune Disease

Prakash Nagarkatti, PhD

University of South Carolina School of Medicine
Columbia, SC



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Roundtable Discussion: Immunotoxicology in Food and Ingredient Safety Assessment

**Moderator: Dori Germolec
All speakers**

Questions welcome.



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**Thank you for your
participation.**