

12<sup>th</sup> Annual Joint Fera/JIFSAN Symposium

Dealing with Uncertainty in Risk-Based Decision Making and Response

**June 15 -17, 2011**

**Greenbelt Marriot Hotel  
Greenbelt, Maryland USA**

**June 15 PM**

**12:00**

**Registration**

1:00

Welcome and Introductions

*Jianghong Meng, Director, JIFSAN*

1:15 - 1:45

**Keynote Presentation**

“The Power of New Information in Risk-Based Decision Making”

*Donald Zink, Food and Drug Administration, College Park, MD USA*

1:45 - 2:15

Detailed Case Study I (Peanut Butter)

*Jenny Scott, Food and Drug Administration, College Park, MD USA*

**Session 1: Sources of Uncertainty in Food Safety Risk Assessment – Current Practice**

**Session Chair: Andy Hart, Fera**

2:15 – 2:45 (1A)

Sources of Uncertainty and Current Practice for Addressing Them:  
Analytical Perspective

*Roy Macarthur, Fera, York, United Kingdom*

2:45 – 3:15 (1B)

Sources of Uncertainty and Current Practice for Addressing Them:  
Toxicological Perspective

*David Bussard, EPA, Washington, DC USA*

3:15 – 3:45	Break
3:45 – 4:15 (1C)	Sources of Uncertainty and Current Practice for Addressing Them: Exposure perspective <i>Clarence Murray III, Food and Drug Administration, College Park, MD USA</i>
4:15 – 4:45 (1D)	Sources of Uncertainty and Current Practice for Addressing Them: Epidemiology Perspective <i>Chensheng (Alex) Lu, Harvard University, Boston, MA USA</i>
4:45 – 5:25	General Discussion (Roundtable) – <i>Including Lessons Relevant to Case Study</i>
5:25 – 5:30	Final notes and Announcements
5:30	Adjourn

**Session 2: Improving Data Collection to Quantify and/or Reduce Uncertainty**

**Session Chair: Juliana Ruzante, JIFSAN**

**June 16 AM**

<b>7:30</b>	<b>Registration &amp; Continental Breakfast</b>
9:00 - 09:05	Introduction <i>Juliana Ruzante, JIFSAN</i>
9:05 – 9:35	Detailed Case Study II (Chemical) <i>Wayne Anderson, Food Safety Authority, Ireland</i>

09:35 - 10:05 (2A)    Designing Studies to Better Understand Food Source Attribution  
*Robert Hoekstra, Center for Disease Control and Prevention, Atlanta, GA  
USA*

10:05 - 10:35 (2B)    Designing Rapid Risk Assessments  
*Vasiliki Flari, Fera, York, United Kingdom*

10:35 - 11:00        Break

11:00 - 11:30 (2C)    Designing Studies to Define Baseline Prevalence and Identifying Out of  
Compliance/Violations  
*John Luchansky, U.S. Department Agriculture, Wyndmoor, PA USA*

11:30 – 12:30        General Discussion  
*(Including Application of Approaches to Case Study)*

12:30 - 12:35        Final Notes – Announcements

12:35 - 1:35         Lunch

### **Session 3: Tools Used for Characterising Uncertainty**

**Session Chair: Roy Macarthur, Fera**

#### **June 16 PM**

1:35 - 2:05 (3A)        Uncertainty Analysis – Characterizing the Total Uncertainty when  
Combining the Different Sources (Quantitative and Qualitative)  
*Andy Hart, Fera, York, United Kingdom*

2:05 - 2:35 (3B)        Using Quantitative Risk Assessment and Accounting for Variability and  
Uncertainty

*Daniel Gallagher, Virginia Tech, Blackburg, VA USA*

- 2:35 - 3:05            Break
- 3:05 - 3:35 (3C)        Dealing with Uncertainty in Risk-Benefit Analyses: Balancing Health  
Benefits and Risks (e.g., Consuming Seafood)  
*Helen Owen, Fera, York, United Kingdom*
- 3:35 – 4:05 (3D)        The Role of Expert Judgment in Characterising Uncertainty  
*Roger Cooke, Resources for the Future, Washington, DC USA*
- 4:05 – 4:35            General discussion  
(Round table) – *Including Lessons Relevant to Case Study*
- 5:05 – 5:10            Final Notes and Announcements
- 5:10                      Adjourn
- 6:00 PM**                **Symposium Participants Dinner** (*Barbecue*)

#### **Session 4: Informed Decision Making**

**Session Chair: Greg Noonan, Food and Drug Administration**

*(All speakers in this session would be invited to take into account two angles: emergency events versus regulatory decisions/strategic policy planning)*

**June 17 AM**

**8:00 AM**                **Registration & Continental Breakfast**

09:00 - 09:05            Introduction

*Greg Noonan, Food and Drug Administration*

09:05 - 09:35 (4A) Role of Science, Uncertainty and Risk Perception in Making Informed Decisions: A Government Perspective

*Andrew Wadge, Food Standards Agency, United Kingdom*

09:35 - 10:05 (4B) Role of Science, Uncertainty, and Risk Perception in Making Informed Decisions: An Industry Perspective

*Patrizia Barone, Unilever, Englewood Cliffs, NJ USA*

10:05 - 10:35 (4C) Communicating the Risk/Benefit to Stakeholders

*Trevor Butterworth, STATS.org, Arlington, VA USA*

10:35 - 11:00 Break

11:00 - 12:00 General Discussion

*(Including Lessons Relevant to Case Study Where Relevant)*

12:00 - 12:10 Final Notes – Fera/JIFSAN 2012

*Robert Edwards, Fera, York, United Kingdom*

12:10 End of Symposium