

## AGENDA

**Food Safety Interventions and Food Attribution Workshop**  
**Holiday Inn Select**  
**130 Clairemont Avenue**  
**Decatur, GA 30030**

**April 26-27, 2005**

7:15 a.m. Continental Breakfast

Introductory Comments (Total of 20 minutes)

8:00 Welcome (Mike Doyle)

8:05 FSRC Project - Constructing the Analytical Tools for a Systems and Risk-Based Approach to Food Safety (Mike Taylor, Resources for the Future)

8:10 USDA Project-Prioritizing Opportunities to Reduce Foodborne Disease (Helen Jensen, Iowa State University)

8:15 Workshop Objectives (Mike Doyle, University of Georgia)

Food Attribution (Total of 20 minutes for each speaker)

Moderators: Fred Angulo, CDC; Glenn Morris, University of Maryland

8:30 Update on foodborne illness risk ranking model and food categorization issues - Glenn Morris, University of Maryland

8:50 Expert Elicitation and Food Attribution - Sandy Hoffman, Resources for the Future

9:10 Overview of CDC efforts in addressing food attribution - Rob Tauxe, CDC

9:30 a. Status of foodborne diseases outbreak data for food attribution - John Painter, CDC

9:50 b. Blending data from sporadic case-control studies and outbreaks for food attribution - Fred Angulo, CDC

10:10 c. Attempting to apply the Danish Food Attribution Model in the US using USDA HACCP and CDC surveillance data - Elaine Scallan, CDC

10:30 **BREAK**

11:00 Overview of UK efforts addressing food attribution - Bob Adak, Laboratory Center for Foodborne Disease Surveillance, London

11:20 Discussion

12:00 **LUNCH**

Food Safety Interventions (Total of 30 minutes for each speaker)

Moderators: John Galland, University of California, Davis  
Ewen Todd, Michigan State University

1:00 p.m. *Salmonella/E. coli* O157:H7 in Food Animal Production  
Chuck Hofacre - University of Georgia

- Minimum requirements for effective food safety interventions to reduce *Salmonella* end product contamination in animal production  
(An industry/academic perspective)  
-Include cost of interventions/cost effectiveness of interventions

1:30 Dell Allen - Cargill (Retired)

- Strategies to identify *E. coli* O157:H7 interventions having the greatest impact on providing public health protection  
(An industry perspective)  
-Include cost of interventions/cost effectiveness of interventions

2:00 Dan Engeljohn - USDA-FSIS

- Strategies to identify and evaluate efficacy of food safety interventions having the greatest impact on providing public health protection  
(A regulatory perspective)

2:30 Bob Adak - Laboratory Centre for Foodborne Disease Surveillance, London

- Strategies to identify and evaluate efficacy of food safety interventions having the greatest impact on providing public health protection  
(A public health agency perspective)

3:00 **BREAK**

*Listeria monocytogenes* in Ready-to-Eat Foods

Moderators: Bill Sveum, Kraft Foods; Janell Kause, USDA

3:30 Leon Gorris - Unilever

- Minimum requirements for effective food safety interventions to reduce end product contamination  
- Include cost of interventions/cost effectiveness of interventions  
(An industry perspective)

4:00 Randy Huffman - American Meat Institute Foundation

- Minimum requirements for effective food safety interventions to reduce end product contamination  
- Include cost of interventions/cost effectiveness of interventions  
(An industry perspective)

4:30 Mike Doyle - UGA Center for Food Safety

- An expert panel's perspective on strategies to provide continuous improvement in reducing the incidence of foodborne listeriosis

5:00 Bob Buchanan - FDA

- Strategies to identify and evaluate efficacy of food safety interventions having the greatest impact on providing public health protection  
(A regulatory perspective)

5:30 Rob Tauxe/Patty Griffin - CDC

- Strategies to identify and evaluate efficacy of food safety interventions

having the greatest impact on providing public health protection  
(A public health agency perspective)

## Day 2

7:15 a.m. **Continental Breakfast**

8:00 Breakout Groups (Participants will choose one; a more detailed list of questions for each section will be provided)

### **Section 1 - Approaches for Selecting Food Safety Interventions**

Moderator - Mike Taylor

Rapporteur - Leon Gorris

- How does one approach selecting interventions we think will have public health benefits?
  - How do we identify locations in the food continuum where food safety interventions will have the greatest impact on reducing foodborne illnesses?

### **Section 2 - Assessment of Effectiveness of Food Safety Interventions**

Moderator - Glenn Morris

Rapporteur – Michael Batz

- Post hoc evaluation of foodborne disease reduction relative to specific interventions
  - How do we assess the effectiveness of interventions as they relate to public health outcomes?
  - What are the best analytical tools for evaluating the effectiveness of interventions in reducing foodborne illnesses?
  - What if there is a dramatic reduction in pathogen contamination of specific groups of foods but not a correlational relationship with disease reduction?
    - ▲ For instance, we see that *L. monocytogenes* contamination of foods in general and processing facilities is down, but cases of listeriosis have increased. How does one interpret this? Perhaps we are not appropriately focusing attention to the highest risk foods that contribute most as vehicles of listeriosis.
  - How do you direct research to determine if model works? What tools are lacking?

10:00 a.m. **BREAK**

12:00 **LUNCH**

3:00 Wrap-up

- End product will be a white paper providing background information, discussions, and recommendations/conclusions of the workshop topics (Michael Batz)

## Invited Participants

Bob Adak - UK Laboratory Centre for Foodborne Disease Surveillance  
Dell Allen - Retired Cargill  
Fred Angulo - CDC  
Michael Batz - Resources for the Future  
Dane Bernard - Keystone Foods  
Bob Buchanan - FDA  
John Butts - Land O'Frost  
Julie Caswell - University of Massachusetts  
Bruce Cords - Ecolab  
M. P. Doyle - University of Georgia  
Dan Engeljohn - USDA-FSIS  
Jeff Farber - Health Canada  
Tim Freier - Cargill  
John Galland - UC-Davis  
Leon Gorris - Unilever  
Patricia Griffin - CDC  
Paul Hall - Kraft  
Chuck Hofacre - University of Georgia  
Sandy Hoffman - Resources for the Future  
Neal Hooker - Ohio State  
Randy Huffman - American Meat Institute Foundation  
Scott Hurd – Iowa State University  
Len Huskey - Swift  
Dick Isaacson - University of Minnesota  
Helen Jensen - Iowa State University  
Janell Kause - USDA-FSIS  
Glenn Morris - University of Maryland  
John Painter - CDC  
Morrie Potter - FDA  
J. O. Reagan - National Cattlemens Beef Association  
Tanya Roberts - USDA-Economic Research Service  
Elaine Scallan - CDC  
Bill Sveum - Kraft  
Rob Tauxe - CDC  
Mike Taylor - Resources for the Future  
Ewen Todd - Michigan State University  
Mary Torrence - USDA-CSREES  
Robert Wills - Mississippi State University  
Cathie Woteki - Iowa State University