



# 10<sup>th</sup> CSL/JIFSAN Joint Symposium

On

## Methods and Systems for Tracking, Tracing and Verifying Foods



May 13-15, 2009

At

Greenbelt Marriott Hotel  
Greenbelt, Maryland USA

The focus of the 2009 Annual CSL/JIFSAN Joint Symposium was Methods and Systems for Tracking, Tracing and Verifying Foods throughout the supply chain. Invited speakers were drawn from regulatory agencies, public interest groups, universities and research institutions in Europe and North America. Additionally, speakers involved with the EU Trace Project (<http://www.trace.eu.org/>) participated. Symposium sessions included discussions on advances in analytical technologies to characterize the origin of food products; application of technologies for tracking food through the supply chain; IT tools for electronic exchange of information; and barriers to adopting these technologies. **Contributed poster presentations were invited from conference participants.**

### Program Topics Included

#### Session One: The Global Food Supply

- **New Approaches to Tracing the Origin of Food**  
*Paul Brereton, Fera (formerly CSL); TRACE*
- **Why Do You Need Traceability Systems?**  
*Shaun Kennedy, University of Minnesota, USA*
- **Surveillance Networks and the Detection and Investigation of Foodborne Disease Outbreaks – What You See is What You Get**  
*Robert Tauxe, Center for Disease Control, USA*
- **Source Investigations – The Follow-up to Tracebacks from Foodborne Outbreaks**  
*Norman Fogel (for Ingrid Zambrana), FDA, USA*

#### Session Three: Other Traceability and Tracking Tools

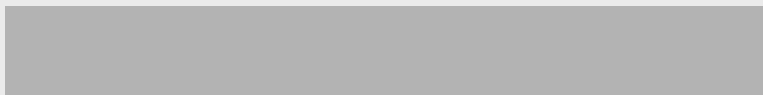
- **Tracking Technologies (e.g., GPS; RFID)**  
*Marc Cohen, University of Maryland USA*
- **Models for Predicting Geographical Origin**  
*Grishja van der Veer, Geochem, NL, TRACE*  
*Stefán Torfi Höskuldsson, Maritech, IS, TRACE*
- **Chain Information Management Systems (TraceCore XML)**  
*Stefán Torfi Höskuldsson, Maritech, IS, TRACE*
- **PulseNet Network**  
*Kelley Hise, Center for Disease Control, USA*
- **Computer Based Tracking Protocols: Improving Communication Between Databases**  
*Amol Deshpande, University of Maryland, USA*

#### Session Two: Laboratory Tools

- **Determining Geographical Origin of Food Using Stable Isotopes**  
*James Ehleringer, University of Utah, TRACE*
- **The Use of DART – TOFMS for Characterizing Food**  
*Jana Hajšlová, ICT, CK, TRACE*
- **Spectroscopic Fingerprinting Techniques for Verifying Food**  
*Gerry Downey, Teagasc, IE, TRACE*
- **Overview of Molecular Sub-typing of Methods for Bacteria Pathogens**  
*Christine Keys, CFSAN, FDA, USA*
- **DNA Barcoding: Regulatory Applications at FDA**  
*Haile Yancy, CVM, FDA, USA*
- **Proteomics (Species Identification)**  
*Paul Reese, Fera (formerly CSL), UK*

#### Session Four: Issues and Future Needs

- **Drivers for Implementation of Traceability in the Food Sector**  
*Kathryn Donnelly, Nofima, NO; TRACE*
- **Bulk Material Tracing Needs**  
*Charles Hurburgh, Iowa State University, USA*
- **Product Tracking Systems for Fresh Produce**  
*Sherri McGarry, CFSAN, FDA, USA*
- **Traceability Systems for Foods: An Industry Perspective**  
*Robert Brackett, Grocery Manufacturers of America, USA*
- **Traceability Systems for Foods: A Consumer Perspective**  
*Jean Halloran, Consumers Union, USA*



**PLEASE NOTE:** As of April 1, 2009 CSL is merging to form a new agency called The Food and Environment Research Agency (Fera). For more information visit <http://services.csl.gov.uk/fera>