

CSL/JIFSAN Joint Symposium on Food Safety and Nutrition- Nanotechnology in Foods and Cosmetics

Tuesday, June 26, 2007

12:00 p.m. Registration and Lunch

Session 1 – Opening Session

Chair: Jianghong Meng, JIFSAN, University of Maryland (US)

1:30 p.m. Welcome and introduction to JIFSAN
Jianghong Meng

1:50 Introduction to CSL
Michael Roberts, CSL (UK)

International regulatory issues relating to key areas of product development:
2:00 “FDA Regulation of Products Containing Nanoengineered Materials” - Norris Alderson, FDA

2:30 “Legislative Aspects of Nanoparticles” - Phillippe Martin, European Commission

3:00 Break

International research approaches relating to key areas of product development:
3:30 “Nanotechnology for Food Systems – Research Efforts in the US”- Hongda Chen, National Program Lead, Bioprocessing Engineering, USDA/CSREES Nanotechnology Program

4:00 “European Framework for Exploring Nanotechnology Risks” - Mary Kavanagh, European Commission

4:30 Discussion

5:00 End of Session

Wednesday, June 27, 2007

Session 2 – Characterization/Detection Methods (physical and chemical)

Chair: Michael Roberts, CSL (UK)

9:00 a.m. “Detection and Standardization Methods for Nanomaterials” - John Small, NIST

9:30 “Detection Methods - (SEM/TEM)” - Wolfgang Losert, University of Maryland, Department of Physics

10:00 “Nanotechnology and Packaging” - Y. Martin Lo, University of Maryland, Department of Nutrition and Food Science

10:30 Break

11:00 “An Overview of Analytical Techniques for Detection of Nanoparticles in Biological Systems” - Karen Tiede, York University, UK

11:30 “Development of Nanoparticle Reference Materials - Guiding Principles and Challenges” - Hendrik Emons, JRC-IRMM

12:00 Discussion

12:30 Lunch

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Session 3 – Routes of Exposure and Toxicology (food composition, food packaging, cosmetics, environmental pathways)

Chair: Elizabeth Calvey, FDA/CFSAN (US)

- 1:30 p.m. “Food and Environmental Exposure Routes of Nanotechnology” - Alistair Boxall, CSL
- 2:00 “Routes of Exposure-Skin Penetration Studies” - Robert Bronaugh, FDA/CFSAN
- 2:30 “Products and Applications of Nanotechnology for Food and Food Packaging - Implications for Consumer Safety and Regulatory Controls” - Qasim Chaudry, CSL
- 3:00 Break
- 3:30 “Toxicological Impacts: Nutrition and Nanotechnology” - Berna Magnuson, University of Maryland, Department of Nutrition and Food Science
- 4:00 “*In vitro* Nanomaterials Toxicology” - Hermann Stamm, JRC-IHCP
- 4:30 Discussion
- 5:00 End of session

Thursday, June 28, 2007

Session 4 – Approaches to Risk Assessment – Dealing with Uncertainty

Chair: John Gilbert (UK)

- 9:00 a.m. “Framework for Systematically Exploring Nanotechnology's Possible Risks” - Michael Holsapple, The Weinberg Group, Inc.
- 9:30 “Are There Potential Safety Concerns for the Use of Nanomaterials in Food or Color Additives?” - Scott Thurmond, FDA/CFSAN
- 10:00 “A European View on Risk Assessment of Nanoparticles in Food” - Anne Theobald, EFSA
- 10:30 Break
- 11:00 “Regulatory Approach to Nanotechnology-based Drugs for Food Producing Animals” - Steven Fleischer, FDA/CVM
- 11:30 “Update on Nanotech and Food: Markets & Regulatory Issues” - Michael Holman, Lux Research
- 12:00 p.m. Conference Wrap-up