



A Joint Workshop - March 10-11, 2011

Overview of Day 1

- **Yesterday's Plenary Presentations:**
 - Need for Sustainable Development of Nanotechnology
 - Ongoing and Planned Research, at Several Levels
 - Standards
 - Stakeholder Perspectives
 - Regulatory Data Needs
- **Areas of Commonality btw. Environmental & Health Regulatory Research Needs**
 - Reference Materials for testing and equipment standardization
 - Hazard Test Methods' Development
 - 1. *in vivo* <--> *in vitro*; 2. most sensitive spp; 3. sample prep & dosimetry
 - Understanding Release Scenarios and Mechanisms
 - Methods to identify Nanomaterials in Products, Environmental Media, Tissues
 - Characterizing Exposures & Bioavailability / Testing a Representative Material
 - Hazard and Exposure Methods' Harmonization and Standardization
 - Mechanisms to organize & make Curated Data globally available (incl. neg.data)



A Joint Workshop - March 10-11, 2011

Overview of Day 2: Tackling the Challenges / Moving the Field Forward Together

- Introductory Talk on Data Reliability/Reproducibility
- Breakout Groups to Identify Major Research Needs and... Areas of Cooperation:
 - The Planning Team Selected Six Critical Topics for Discussion
 - Balance of Health and Environmental Needs
 - Consider Regulatory Research Needs from Yesterday as part of the Process Today
- Session 1: When do Unique Properties - with Risk Assessment Implications - Arise for Specific Nanomaterials?*
- Session 2: How do Surface Modifications and Chemical Transformations Affect Toxicity?*
- Session 3: What Metrics Are Most Scientifically Accurate When Relating Dose to Response in Toxicity Assessments?
How are Dose-Response Data Best Extended to Determining Occupational Exposure Limits and Environmental Concern Concentrations?*
- Session 4: How Relevant are Model Nanoparticles to Understanding Exposure in the Workplace? How Relevant are they to Recommending Industrial Hygiene Practices?*
- Session 5: What are the Critical Parameters and Data Needs for Understanding the Behavior of Nanoparticles in Environmental Media?*
- Session 6: What are the Critical Parameters and Data Needs Relevant to Understanding the Behavior of Nanoparticles in Consumer and General Population Exposures?*
- Session on Worker Protection
- Importance of the Final Session: **Establishment of a Few Communities of Research (CORs) and Associated Platforms for Collaboration**