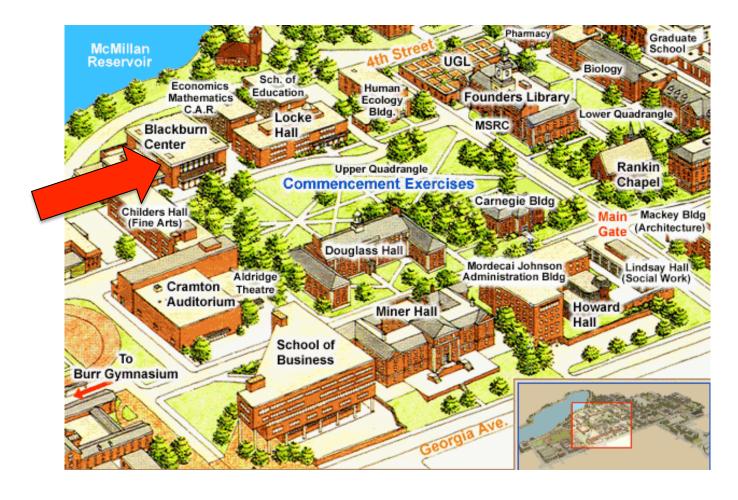
ICEIN 2009, Blackburn Center, Howard University, Washington, DC						
Wednesday, 9 September 2009						
	Introduction/Welcome, West Ballroom					
9:00-9:05	Kimberly Jones, Howard University					
9:05-9:15	Judith Verbeke, NSF					
9:15-9:25	Nora Savage, EPA					
	Presentation of CEINs					
9:25-9:55	Mark Wiesner, CEINT					
9:55-10:25		Andre Nel, UC CEIN				
10:25-10:40		Break				
	Session 1: West Ballroom	Session 2: Forum 144/146	Session 3: Auditorium 151/155			
	Fate, Transport & Transformation	Toxicity/Ecotoxicology	Risk Perception, Risk Assessment & Life Cycle Assessment			
	Co-Chairs: Mark Wiesner/Sharon Walker	Co-Chairs: Richard Di Giulio/Patricia Holden	Co-Chairs: Elizabeth Casman/Hilary Godwin			
10:40-11:20	Keynote: Greg Lowry/Arturo Keller, Overview of the Challenges in Predicting NP Fate and Transport	Keynote: Anne Kahru, From Ecotoxicology to nanoecotoxicology	Keynote: Igor Linkov , Linking Risk Assessment, Decision Analysis and Life Cycle Assessment for Guiding Nanomaterials Development			
11:20-11:40	Eric M.V. Hoek, Influence of Water Chemistry on the Stability and Toxicity of Metal and Metal Oxide Nanoparticles	Andre Nel, Using Predictive Toxicological Paradigm to Study Nanotoxicity and Design Safe Nanomaterials	Christine Robichaud, Estimating Nanomaterial Emission Sources from Production Information			
11:40-12:00	Armand Masion, Aging of Commercial Nanomaterials: a New Environmental Challenge?	Joel A. Pedersen, Developmental Toxicity of Oxidatively Degraded Quantum Dots	Eric Money, Nano-Risk and Macro-Uncertainty: Using Probability Networks to Model the Environmental Implications of Nanotechnology			
12:00-2:00		Lunch				
	Session 1 cont.	Session 2 cont.	Session 3 cont.			
2:00-2:20	Tanapon Phenrat, Semi-Empirical Correlation to Predict the Collision Efficiency of Natural Organic Matter (NOM) - and Polymer-Coated Nanoparticle	Cole Matson, Silver Nanoparticle Behavior and Fish Embryotoxicity across a Salinity Gradient	Melanie Auffan, What Nanoparticles Merit Special Considerations from an Environmental, Health, and Safety Perspective?			
2:20-2:40	Robert Hamers, Thermal and Oxidative Stability of Ligand-Modified Nanoparticles: Implications for Environmental Safety of Nanoparticles	Kevin Kwok , Implications of Silver Nanoparticles for Eleutheroembryos and Larval Medaka (<i>Oryzias latipes</i>)	Milind Kandlikar, The Impact of Toxicity Testing Costs on Nanomaterial Regulation			
2:40-3:00	Ernest Hotze, Structure Affecting Reactivity: The Fullerene Example	Elise Fairbairn, Effects of Metal Oxide Nanomaterials on Sea Urchin Embryo Development	William Freudenburg, Real Risk, Perceived Risk, and Nanotechnology: Lessons from Current Research and Past Environmental Controversies			
3:00-3:20	Jorge L. Gardea-Torresdey, CeO ₂ and ZnO Nanoparticles Undergo Differential Biological Transformations in Soybean Plants	Joel Meyer, Silver Nanoparticles Inhibit Growth in Caenorhabditis elegans	Darin Furgeson, Nanotoxicity Assessments with a Whole Zebrafish Model			
3:20-3:40	Break	Break	Break			
3:40-4:00	Matthew Hull, Effects of Surface Coating and Solution Ionic Composition on Aggregation of Au Nanoparticles in Freshwater Systems	Emille Bigorgne , Ecotoxicity of Altered TiO ₂ Nanocomposite on the Earthworm, <i>Eisenia fetida</i>				
4:00-4:20	$\textbf{Sharon Walker}, \ \text{Transport of TiO}_2 \ \text{Nanoparticles: Role of Solution Chemistry and Particle Concentration}$	Camille Larue, Investigation of nanoparticles and carbon nanotubes toxicity and transfer in plants				
4:20-4:40	Andrea Tiwari, Oxidation of Carbonaceous Nanoparticles in the Atmosphere: Effects of Ozonation on C_{60} Aqueous Solubility	Cyndee Gruden, Impact of Metal Oxide Nanoparticles on Microbial Cell Viability				
4:40-5:00	Break					
5:00-7:00	Poster Session					

Thursday, 10 September 2009						
	Session 4: Room 148/150	Session 5: Forum 144/146	Session 6: Auditorium 151/155			
	Natural Nanomaterials & Nanobiogeochemistry	Nanomaterial Characterization & Toxicity Screening	Ecology & Ecosystem Response			
	Co-Chairs: Michael Hochella, Jr./Jorge Gardea-Torresdey	Co-Chairs: Jie Liu/Ponisseril Somasundaran	Co-Chairs: Paul Bertsch/Bradley Cardinale			
9:00-9:40	Keynote: Mitchel Doktycz, Microbially Mediated Transformation of Metal and Metal Oxide Nanoparticles	Keynote: Martin Hassellöv, Challenges and Current State of Physicochemical Characterization and Detection of Nanoparticles in Environmental Media	Keynote: Emily Bernhardt/Joshua Schimel, Known Knowns, Unknown Knowns and Unknown Unknowns: Challenges to Understanding the Impacts of Nanomaterials in Ecosystems			
7. 10 10.00	Michael Hochella, Jr., Nanominerals, Mineral Nanoparticles, and Earth Systems: A Partial but Useful Guide to the Behavior of Anthropogenic Nanomaterial	James Mitchell, Analytical Characterization of Silver Nanoparticles and Nanoparticle Doped Media	Robert J. Miller, Differential Effects of Nano-Particulate Zinc Oxide and Titanium Dioxide on the Population Growth Rates of Marine Phytoplankton			
10:00-10:20	Galen D. Stucky, Synthesis, Size-Selective Separation, and Chemistry of Composite Synthetic Natural Nanoparticles	Saji George, High Throughput Multiparametric Cytotoxicity Screening for Predictive Toxicological Assessment of Nanomaterials	Christina Arnaout, Microbial Inhibition and Silver Resistance Development in Wastewater Containing Silver Nanoparticles			
	Gordon Brown, Molecular-Level Studies of Iron Oxide and Silver Nanoparticles - Structure and Reactivity	Lee Ferguson, Analysis of Single-Walled Carbon Nanotubes in Estuarine Sediments by Near Infrared Fluorescence Spectroscopy	$\label{eq:Bradley Cardinale} \textbf{Biomass Production in Freshwater Algae} \\$			
10:40-11:00	Break	Break	Break			
	Dongxu Zhou, Stability and Photoactivity of Metal Oxide Nanoparticles in Natural Waters	Yingwen Cheng, Stability of Silver Nanoparticles Under the Irradiation of Sunlight	Teresa Kirschling, the Impact of Reactive Iron Nanoparticles on Microbial Diversity in Aquifer Soils			
	Andreas Gondikas, Surface Interactions of Thiol-Containing Organic Acids on Zinc Sulfide and Silver Nanoparticles	Xiaohua Fang, Correlation of Wettability/Hydrophobicity of Nanoparticles with their Toxicity on <i>Nitrosomonas europaea</i>	Antoine Thill, Physicochemical and Biological Interactions Between Manufactured Nanoparticles and Environmental Bacteria			
	Rebecca French, Schwertmannite: A Natural Nanomaterial's Role in Arsenic Cycling	Zhaoxia (I vy) Ji, Optimization of Nanoparticle Dispersion in Various Cell Culture Media	Jason Unrine, Analytical Approaches for In Situ Characterization of Metal an Metal Oxide Nanoparticles in Soil Ecosystems			
12:00-12:20		Elizabeth Suarez, UCLA Molecular Shared Screening Resource: Capabilities and Applications for Nanotoxicity Studies	Randy Mielke, Bioaccumulation and Biomagnification of CdSe Quantum Dots in a Simplified Microbial Food Chain			
12:20-2:00		Lunch				
	Ed	Education & Outreach Activities in CEINs, Auditorium 151/155				
2:00-2:30	Hilary Godwin, Engaging and Effectively Communicating our Results to Broad Range of Stakeholders: Education and Outreach Activities in the UC CEIN					
2:30-3:00	Glenda Kelly, Education and Outreach Initiatives in CEINT: Targeted Communication of Results Across Diversified Audiences					
	International Efforts for Protocols Development					
3:00-3:45	C. Michael Garner, IANH Protocols Development					
3:45-4:00	Break .					
4:00-5:00	Panel 1: Room 148/150	Panel 2: Forum 144/146	Panel 3: Auditorium 151/155			
	Protocols - Material Characterization & Preparation	Protocols - In Vivo Testing	Protocols - In Vitro Testing			
	Co-Chairs: Mark Wiesner/Arturo Keller	Co-Chairs: Cole Matson/Gary Cherr	Co-Chairs: Claudia Gunsch/Patricia Holden			

Friday, 11 September 2009						
9:00-10:30	Committee 1: Room 148/150	Committee 2: Forum 144/146	Committee 3: Auditorium 151/155			
		Development of New Methods for Measurement in Complex Media	Ecosystem Discussion			
	Co-Chairs: Jie Liu/Jeffrey Zink	Co-Chairs: Lee Ferguson/Jorge Gardea-Torresdey	Co-Chairs: Emily Bernhardt/Hunter Lenihan			
10:30-10:45	Break					
10:45-11:45	Report Back from Panel and Committee Discussions, and Adjournment, Auditorium 151/155					



ICEIN will take place in the Blackburn Center, Howard University, Washington, DC

