ICEIN 2011 - EPA Nano Grantees Conference, Duke University		
	Monday, May	9, 2011
7:30	Registration	
8:30	Introduction/Welcome	
8:45	Center Overviews (CEINT, Mark Wiesner; UC	CCEIN, Andre Nel)
9:45	Plenary: James Hutchison, University of Ore nanomaterials	gon, Strategies, tools and design rules for greener
10:40	B	reak
11:10	Session 1: Risk Assessment	Session 2: Ecotoxicity
	Keynote: Alistair Boxall, University of York, Assessing exposure and effects for environmental risk assessment: The challenge of engineered nanoparticles	Keynote: Marie-Noële Croteau, USGS, Assessing the bioavailability and toxicity of engineered nanoparticles in aquatic environments using enriched stable isotope tracers and biodynamic modeling
12:00	Lu	ınch
2:00	Session 1: cont.	Session 2: cont.
	Jacqueline Isaacs, Implementation of life cycle assessment methodologies for commercializing nano-enabled products	Ben Colman, Short-term fate and toxicity of silver nanoparticles in wetland mesocosms
2:20	Candace Tsai , Control strategies for occupational and environmental exposure of nanomaterials	Audrey Bone , Silver nanoparticle toxicity to Atlantic killifish (<i>Fundulus heteroclitus</i>) and zebrafish (<i>Danio rerio</i>) in complex environmental media: A comparison of laboratory, mesocosm, and microcosm studies
2:40	Christian Beaudrie, Benefits, risks, bias and nanomaterial regulation: results of an expert survey	Mafalda Baptista, Phytoplankton as sentinels of nanomaterial toxicity in marine ecosystems
3:00	Barbara Harthorn, Intuitive cognition in the perception of air, water and soil as they interact with engineered nanomaterials: A study of US public views	Jorge Gardea-Torresdey, Biotransformation studies of CeO ₂ and ZnO NPs in mesquite plants
3:20	B	reak
4:00	J. Michael Davis, Comprehensive	Roger Nisbet, Modeling the ecotoxicity of
4:20	Sumit Gangwal , Informing selection of nanomaterial concentrations for ToxCast <i>in vitro</i> testing based on occupational exposure potential	Angela Ivask , High-throughput screening of <i>E. coli</i> gene deletion libraries uncovers the mechanistic ecotoxicology of nanomaterials
4:40	Marina Quadros, Aerosol emissions from nanotechnology-related consumer products	Tamara McNealy, Effect of bacteria and protozoa on engineered nanomaterials, and vice versa
5:00	Eric Money , Ecological risk forecasting of nanomaterials using Bayesian networks: A case study of nano-Ag exposure potential in a North Carolina river basin	Dana Hunt , Understanding the complex response of natural microbial populations to nanomaterial additions
5:20	Jeremy Gernand, Identification of information- rich attributes for nanoparticle toxicological risk assessment	Jason Unrine, Trophic transfer of Au nanoparticles along a simulated terrestrial food chain
5:40	Poster Session	n (ends at 7 p.m.)

	Tuesday, May	10, 2011
8:30	Session 3: Fate, Transport, &	Session 4: Toxicity
	Transformation	
	Keynote: Frank von der Kammer, University	Keynote: Robert Tanguay, Oregon State
	of Vienna, Engineered nanoparticles in	University , High-content/high-throughput
	environmental media: How to deal with inherent	zebrafish assays to define nanoparticle bioactivity
	heterogeneity	
9:20	Kelvin Gregory, Effect of engineered and	Tian Xia, Use of in vivo zebrafish model for
	natural surface modification of nanoparticles on	nanoparticle toxicity screening
	their interactions with bacteria	
9:40	P. Somasundaran, Physico-chemical	Kevin Kwok, Effects of silver nanoparticles on
	characteristics and control of bioreactivity and	early life stages of Japanese medaka: Inferences
	fate	of different coating materials
10:20	Br	reak
11:00	Milka Montes, Fate, transport and	Emma Fauss, Correlating silver nanoparticle
	bioprocessing of CeO ₂ and ZnO nanoparticles by	functionalization to generation of reactive oxygen
	mussels	species and silver ion release rates for
		disinfection applications
11:20	Ariette Schierz, Addressing challenges of single	Olga Tsyusko, Transcriptomic effects of Au-NP to
	walled carbon nanotube detection in	Caenorhabditis elegans
11.40	environmental samples	Annil Cu. Development of a new texicogenemic
11:40	Raju Badireddy, Delection and analysis of	April Gu, Development of a new toxicogenomic
	waters by dark-field based by perspectral imaging	
	microscony	
12.00		Inch
2:00	Session 3: cont	Session 1: cont
2.00		
	Clément Lourd Drobing Ag poponarticle	Amy Mong. Evolution of compatibility of TaxCost
	clement Levard, Probing Ag hanoparticle	high-throughout/high-content screening assays
	x-ray scattering and fluorescence yield approach	with engineered nanomaterials
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2:20	Andreas Gondikas, Sorption of cysteine to	Allison Horst, Towards an HTS toxicity
	silver nanoparticles: Implications for	assessment program with environmentally-
	aggregation, dissolution, and silver speciation	relevant bacteria
2:40	Rui Ma, Size controlled dissolution of silver	Susan Braunhut, A living cell biosensor for
	nanoparticles	continuous monitoring of cytotoxic cell responses
		to engineered nanomaterials (ENMs)
3:00	Ronald Kent, Controlled evaluation of silver	Yoram Cohen, Data mining, pathways and
	nanoparticle dissolution	network analyses of nanoparticle toxicity based on
		high throughput screening data
3:20	Tong Zhang, Microbial methylation of mercury	Rong Liu, Classification nano-SAR development
	sulfide nanoparticles: Influence of particle size	for cytotoxicity of nanoparticles
2,40	and crystallinity on methylation potential	
5.40		
4:20	Session 3: cont.	Session 5: Nanochemistry
	Brian Reinsch, The speciation of silver	C. Jeffrey Brinker, Synthesis and
	nanoparticles in CEINT mesocosm soils and	characterizations of monodisperse well-defined
	Kentucky wwiP biosolias using synchrotron X-	titania and silica nanoparticles
4,40	rdys	Julian Tauranti Development of standardized
4.40	nanosl	dispersion and characterization methods for the
		environmental risk assessment of nanomaterials
5:00	Karel Morgan-Evans, Transport studies of nano	Jean-Yves Bottero, Imogolites: New inorganic
	titanium dioxide in porous medium	nanotubes for nanotechnology hazard evaluation
5:20	Shihong Lin, Exact Analytical Expressions for	Ivy Ji , Fine tuning size and shape of
	the Potential of Electrical Double Laver	nanomaterials by hydrothermal synthesis
	Interactions for a Sphere Plate System	
5:40	Trishikhi Raychoudhury, Carboxymethyl	Matt Hull, Evaluation of the colloidal persistence
	cellulose-modified zero-valent iron nanoparticle	of gold nanoparticles by UV-Vis spectroscopy and
	transport through sand packed columns	dynamic light scattering
6:00	Meeting	Adjourned

	Wednesday, May 11, 2011 - EPA Nano Grantees Mtg
8:30	Session 6: EPA Fate, Transport, and Transformation
	Qilin Li , Impact of sunlight and humic acid on the deposition kinetics of aqueous fullerene nanoparticles and multiwalled carbon nanotubes
8:50	Howard Fairbrother , Influence of surface chemistry on the sorption properties and colloidal stability of carbon nanotubes in the presence of NOM
9:10	William Ball, Transport of oxidized multi-walled carbon nanotubes through porous media
9:30	Wen Zhang , Ion release and aggregation kinetics of citrate-coated silver nanoparticles in aqueous environment
9:50	Break
10:30	Diana Aga , Behavior of quantum dots in the terrestrial environment: Soil column leaching and plant uptake studies
10:50	Martin Shafer, Speciation and transformations of platinum in environmental materials
11:10	Reginald Thio *, Deposition and transport of Ag nanoparticles on silica as a function of environmental conditions
11:30	Vicki Grassian, An integrated approach toward understanding the impact of aggregation and dissolution of metal and metal oxide nanoparticles
11:50	Lunch
1:00	
	Session 7: EPA Toxicity
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*Non-EPA Grantee ICEIN Speaker