

**NanoBio Summit 2013**

October 17-18, 2013

Renaissance Hotel  
201 Tallapoosa Street  
Montgomery, AL 36104

<b>THURSDAY, October 17, 2013</b>		
<b>Time</b>	<b>Program</b>	<b>Location</b>
1-5 p.m.	<b>REGISTRATION</b> (Name badge and bag pick-up)	Foyer Alabama D
1:30-2:30 p.m.	Conference Planning Meeting (organizing committee only)	Montgomery 7
3-5 p.m.	Advisory Board Meetings	Montgomery 7
3:30-5 p.m.	ASU Campus Tour - RISE Advisory Board and others	ASU
5-7 p.m.	<b>Reception at the Renaissance</b> (advisory board members, organizing committee and invited guests)	Star Light Foyer
7-9 p.m.	<b>DINNER</b> (advisory board members, organizing committee and invited guests)	Montgomery 1
<b>FRIDAY, October 18, 2013</b>		
7:30 a.m.-Noon	<b>REGISTRATION</b> (Name badge and bag pick-up)	Foyer Alabama D
7:30 a.m.-8:30 a.m.	<b>BREAKFAST</b>	Alabama B
9 a.m.	<b>Welcome and Opening Remarks</b> <b>Presiding</b> The Honorable Judge Marvin Wiggins, Circuit Judge, Fourth Judicial Court of Alabama <b>Greetings</b> John F. Knight, Executive Vice President/COO, ASU The Honorable Elton N. Dean, Chair, Board of Trustees, ASU The Honorable Senator Quinton T. Ross, Alabama State Senate The Honorable Todd Strange, Mayor, Montgomery, Alabama	Alabama CDE
9:30 a.m.	Introduction of Scientific Speaker- Dr. Dennis Hess, Georgia Tech <b>Speaker-Dr. Ishrat Khan, Clark Atlanta University</b>	Alabama CDE
10 a.m.-11 a.m.	<b>Scientific session I</b> <b>Moderator: Dr. Terry Bray, Director, Physical Sciences</b> <b>UAB Institute for Innovation and Entrepreneurship</b>	Alabama CDE
10 a.m.	Monodisperse Carbon Nanomaterials for Electronics, Energy, and Medicine Dr. Mark Hersam, Northwestern University	
10:20 a.m.	Novel Nanomaterials as Antimicrobials Dr. Shreekumar Pillai, Alabama State University	
10:40 a.m.	Nanomaterials for Biomedical Applications Dr. Vijay Rangari, Tuskegee University	

11-11:15 a.m.	COFFEE BREAK		Alabama CDE
10 a.m.-5 p.m.	EXHIBITS		Exhibit Hall B
10 a.m.-1 p.m.	POSTER SET UP		Conventional Hall
11:15 a.m.-12:15 p.m.	<b>Scientific session II</b> Location: Alabama CDE Moderator: Dr. Mahesh Hosur Tuskegee University	<b>Scientific session III</b> Location: Montgomery 5 Moderator: Dr. Robert Arnold Auburn University	
11:15 a.m.	Higher Order Architectures and Biofunctionalization of Graphene Shells Encapsulated Nanoparticles for Sensors Dr. Nitin Chopra, University of Alabama	PCL/ Maltodextrin Nano-Particle as Carrier for Targeted Delivery of Tumor Suppressor Id4 in Prostate Cancer Dr. Jaideep Chaudhary, Clark Atlanta University	
11:35 a.m.	NIR Photothermal Nano-conjugates for Combined Targeting, Imaging, and Treating Tumors Dr. Hadiyah-Nicole Green, Tuskegee University	Fabrication and Characterization of a Biomimetic Polymeric Ligament Scaffold Dr. Derrick Dean, University of Alabama at Birmingham	
11:55 a.m.	Bulk Multifunctional Materials from Nanocylinders and Nature Dr. Virginia A. Davis, Auburn University	Nanoparticle Based Platforms for Therapy of Cancer Dr. Jamboor Vishwanatha, University of North Texas	
12:15-1:30 p.m.	<b>LUNCH</b> <span style="float: right;">Location: Alabama B</span>		
	<b>Presiding</b> Nisa Miranda, Director, University Center for Economic Development, University of Alabama <b>Lunch served</b> <b>Greetings</b> Bea Forniss, President, National Alumni Association, Alabama State University Leon C. Wilson, Interim Provost and Vice President for Academic Affairs, ASU Bill Taylor, President, Economic Development Partnership of Alabama The Honorable Luther Strange, Alabama Attorney General		
1:30-3 p.m.	<b>Scientific Seminar Session IV</b> Location: Alabama CDE Moderator: Dr. Avery August Cornell University	<b>Scientific Seminar Session V</b> Location: Montgomery 5 Moderator: Dr. Debra Moriarity University of Alabama in Huntsville	
1:30 p.m.	Protective Effects of Silver Nanoparticles against Ultraviolet Radiation-Induced Apoptosis and DNA Damage in Human keratinocytes: potential Implications in Prevention of Skin Carcinogenesis Dr. Seema Singh, University of South Alabama	Shape-Controlled Iron Oxide Nanoparticles as MRI Contrast Agents Dr. Yuping Bao, University of Alabama	
1:50 p.m.	Detection of Mutant RNAs Derived from a Single Bacterial Cell with a cRNA-Based Biosensor Dr. Jacek Wower, Auburn University	UV/Visible Lithography on Biological and Polymer Substrates Dr. Anup Sharma, Alabama A&M University	

2:10 p.m.	Sintering-Resistant Pt Nanocatalysts for Hydrogen Generation from Biomass-Derived Molecules  Dr. Yu Lei, University of Alabama in Huntsville	Light Microscopy Imaging at the Nanometer Level –Nikon's N-STORM and N-SIM Microscope Systems  Dr. Joel S. Silfies, Nikon Instruments
2:30 p.m.	Building a Targeted, Magnetically Triggered Drug Delivery System for Cancer Chemotherapy  Dr. Jacqueline A. Nikles, University of Alabama at Birmingham	
3-6 p.m.	<b>POSTER SESSION</b> (coffee, drinks and snacks provided)	
4-5 p.m.	<b>RISE Advisory Board Meeting</b>	
7-9 p.m.	<b>Banquet and Awards Ceremony</b> <b>Location: Alabama B</b>	
	<p><b>Presiding</b> Terry L. Bray, Director, Physical Sci., UAB Institute for Innovation and Entrepreneurship</p> <p><b>Blessing</b> Christian Rogers, Senior, Mathematics, Alabama State University</p> <p><b>Dinner Served</b></p> <p><b>Greetings</b> William H. Harris, President, Alabama State University</p> <p><b>Introduction of Speaker</b> Samantha Tilson, Sophomore, Chemical Engineering, University of Alabama</p> <p><b>Keynote Speaker</b> Carl A. Pinkert, Vice President of Research, University of Alabama</p> <p><b>Awards Presentations</b></p> <p><b>Undergraduate Awards</b> Debra M. Moriarity, Professor &amp; Chair Biochemistry, University of Alabama in Huntsville</p> <p><b>Graduate Awards</b> Robert D. Arnold, Associate Professor, Auburn University</p> <p><b>Closing Remarks</b> Mahesh Hosur, Professor and Director, Alabama NSF-EPSCoR and Tuskegee NSF-CREST, Tuskegee University</p>	