

NanoBio Summit 2018

July 17 – 18, 2018

Embassy Suites Hotel Conference Center, Montgomery, Alabama

Tuesday, July 17, 2018

7:30 AM – 8:45 AM	Registration & Breakfast	
7:30 AM – 8:45 AM	Poster Exhibition Setup	
9:00 AM – 9:30 AM	<p>Introduction Dr. Mahesh Hosur Chair - Department of Materials Science Engineering, Tuskegee University</p> <p>Welcome Remarks Dr. Shaik Jeelani VP Research & Sponsored Programs, Tuskegee University</p> <p>Dr. Heshmat Aglan Dean, College of Engineering, Tuskegee University</p>	
9:30 AM – 10:15 AM	<p>Plenary Talk I Dr. Douglas Martin Auburn University Gene therapy as a nanomedicine for neurologic disease</p>	
10:15 AM – 10:30 AM	Refreshment Break & Poster Setup	
10:30 AM – 11:15 AM	<p>Keynote Speaker I Dr. Clayton Yates Tuskegee University</p> <p>Epigenetic Drivers Of African American Prostate And Breast Cancers Session Chair: Dr. Shreekumar Pillai</p>	
11:15 AM – 12:30 PM (25 minutes/Presentation)	Concurrent Sessions	
	<p>Scientific Session I Session Chair: Dr. Shaik Zainuddin Location: Salon E</p> <p>Dr. Katrina Ramonell University of Alabama Developmental and Reproductive Effects of Iron Oxide Nanoparticles in Arabidopsis Thaliana</p>	<p>Scientific Session II Session Chair: Dr. Shreekumar Pillai Location: Salon F</p> <p>Dr. Vinoy Thomas The University of Alabama at Birmingham Fibro-Porous Scaffolds for Bio Integration: Nano To Micro Scale</p>

Concurrent Sessions		
11:15 AM – 12:30 PM (25 minutes/Presentation)	<p>Dr. Feng Li Auburn University Polymeric Nanomedicine for Cancer Treatment</p>	<p>Dr. Babu Ramapuram Auburn University Role Of Ceramide Based Nano-Liposomes for Cancer Drug Targeting</p>
	<p>Dr. Thomas Rich University of South Alabama Hyperspectral Imaging of Intracellular Signaling Pathways</p>	<p>Dr. Sameer Joshi Alabama State University Engineering Alginate Bioink for 3D-Printing</p>
12:30 PM – 1:45 PM	<p>Lunch and Plenary Talk II</p> <p>Dr. Saber Hussain Professor, Department of Pharmacology/Toxicology Boonshoft School of Medicine Wright State University</p> <p>ATS Fellow, AFRL Fellow Senior Scientist- Nanobiotechnology Group Molecular Bioeffects Branch, Bioeffects Division Airman Systems Directorate</p> <p>Application of cutting edge technologies to understand Biomolecular Interaction of Engineered Nanomaterials: Safety & Challenges</p> <p>Session Chair: Dr. Mahesh Hosur</p> <p>Location: Embassy II</p>	
1:45 PM – 1:50 PM	Break	
1:50 PM – 2:30 PM	<p>Keynote Speaker II</p> <p>Dr. Shreekumar Pillai Alabama State University</p> <p>Development of Nanomaterials as Antibacterial Agents</p> <p>Session Chair: Dr. Robert Arnold</p> <p>Location: Embassy II</p>	
2:35 PM – 3:15 PM	<p>Keynote Speaker III</p> <p>Dr. Eugenia Kharlampieva University of Alabama at Birmingham</p> <p>Theranostic Microcapsules for Imaging and Ultrasound-Triggered Drug Delivery</p> <p>Session Chair: Dr. Robert Arnold</p>	
3:15 PM – 3:30 PM	Refreshment Break	
3:30 PM – 7:00 PM	Poster Presentation and Judging Location: Salon D	
	Networking and dinner on your own	

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Wednesday, July 18, 2018

7:30 AM – 8:45 AM	Registration & Breakfast
9:00 AM – 10:00 AM	Plenary Talk III Dr. Sooryanarayana Varambally University of Alabama at Birmingham A System Biology Approach to Identify Therapeutic Targets in Cancer Session Chair: Dr. Shaik Zainuddin
10:00 AM – 10:15 AM	Refreshment Break
	Session Chair: Dr. Shree Ram Singh
10:15 AM – 10:50 AM	Keynote Speaker I Dr. Gary Piazza University of South Alabama A Chemical Biology Approach Using A Custom Indene Library To Identify Novel Cancer Targets and Drug Development Candidates
10:50 AM – 11:30 AM	Keynote Speaker II Dr. Vijaya Rangari Tuskegee University Sustainable Engineered Nanomaterials and Their Applications
11:30 AM – 12:10 PM	Keynote Speaker II Dr. Shanlin Pan University of Alabama Photoelectrochemical Investigation of Semiconductor Surfaces and Interfaces for Clean Energy Harvesting and Conversion
12:15 PM – 1:45 PM	Lunch and Award Ceremony Location: Embassy II
	Closing Remarks