

<b>Day 1, Sep 23rd 2017</b>	<b>Category: Nano-Materials and Devices Location: SASC Building, Classroom 251</b>
<b>7:15 - 8:10</b>	<b>Registration / Breakfast</b>
8:10 - 8:20	Dr. Kenneth Furton Speech (Florida International University's provost)
8:20 - 8:30	Dr. Andres Gil's Speech (Vice President of Sponsored Research)
8:30 - 9:20	Plenary Speaker Introduction (Dr. Nair) Plenary Speaker Talk: Dr. Tatiana Bronich University of Nebraska
<b>9:20 - 9:30</b>	<b>Morning Coffee and Snack Break</b>
<b>Session 1 Starts</b>	
9:30 - 10:00	Keynote Speaker Dr. Gregory Hudalla <i>Title:</i> University of Florida
10:00 - 10:15	Bapurao Surnar <i>Title: Nanodevices for Cardiolipin Delivery to Mitochondria for Barth Syndrome</i> University of Miami
10:15 - 10:30	Chengqi Zhang <i>Title: Characterization of the Surface ligands on Quantum Dots and Gold Nanocrystals using NMR spectroscopy</i> Florida State University
10:30 - 10:45	Chiara Deriu <i>Title: Surfactant-free anisotropic nanoparticles: stabilization approaches and trends in capping efficacy</i> Florida International University
<b>10:45 - 11:00</b>	<b>Coffee and Snack Break</b>
<b>Session 2 Starts</b>	
11:00 - 11:30	Keynote Speaker Dr. Nezhil Pala <i>Title: Plasmonics for Biomedical Application</i> Florida International University
11:30 - 11:45	Derik Madorma <i>Title: Delivery of targeted mesenchymal stem cells (MCS's) to aid wound healing in a Murine model of colitis</i> University of Miami

11:45 - 12:00	
12:00 - 12:15	<p>Hamdi Joda  <i>Title: A novel method for direct detection of double-stranded DNA with lateral flow assay</i>  University of Miami</p>
<b>12:15 - 1:45</b>	<p><b>Lunch</b>  <b>Poster Presentations / Active Discussion Tables</b>  <b>University of Central Florida Master Program Presentation</b></p>
<b>Session 3 Starts</b>	
1:45 - 2:15	<p>Keynote Speaker Dr. Jiangeng Xue  <i>Title:</i>  University of Florida</p>
2:15 - 2:30	<p>Hao Li  <i>Title: Interfacial Charge Polarization in a Nano-Domained Polymer-Derived Amorphous SiAlCN Ceramic</i>  University of Central Florida</p>
2:30 - 2:45	<p>Henry Cabra  <i>Title: Electrospun PCPU-SiC Nanofiber Capacitor</i>  University of South Florida</p>
2:45 - 3:00	<p>Jean-Marc Zingg  <i>Title: Tri-Nucleotide Rolling Circle amplification; A Novel Method for the Detection of RNA and DNA</i>  University of Miami</p>
<b>Session 4 Starts</b>	
3:00 - 3:30	<p>Keynote Speaker Dr. James R. Brenner  <i>Title: What should a Nanoscience/Nanotechnology Curriculum Look Like?</i>  Florida Institute of Technology</p>
3:30 - 3:45	<p>Liang Due  <i>Title: A Multi-Coordinating Polymer Ligand Adapted for Surface-Functionalizing Metal and Metal-Oxide Nanoparticles</i>  Florida State University</p>
3:45- 4:00	<p>Liang Wang  <i>Title: Applications of Gold Nanoparticles as the Colorimetric Detection of Seized Drugs</i>  Florida International University</p>
4:00 - 4:15	<p>Dr. Marcello Mascini  <i>Title: Label free Impedimetric Immunosensor for the Detection of whole Flavivirus particles</i>  University of Miami</p>

**4:15 - 4:30**

**Coffee and Snack Break**

**Session 5 Starts**

4:30 - 5:00

Keynote Speaker Dr. Ant Ural  
*Title: Graphene/Silicon Mixed-Dimensional Van Der Waals Junctions*  
University of Florida

5:00 - 5:15

Matthew Suttinger  
*Title: Demonstration of Broad Area Quantum Cascade Laser Power Scaling with an Experimentally Fitted Numerical Model*  
University of Central Florida

5:15 - 5:30

Mikhael Soliman  
*Title: Studying Different Modes of Uptake of Zinc-based Treatments Designed to Combat Citrus Greening Disease*  
University of Central Florida

5:30 - 5:45

Nicholas Castaneda  
*Title: Macromolecular crowding modulates actin filament mechanics and bending dynamics*  
University of Central Florida

Day 2, Sep 24th 2017	<b>Category: Nano-Materials and Devices</b> <b>Location: SASC Building, Classroom 251</b>
9:00 - 9:30	<b>Morning Coffee and Snack Break</b>
<b>Session 1 Starts</b>	
9:30 - 10:00	Keynote Speaker Dr. Roozbeh Tabrizian <i>Title:</i> University of Florida
10:00 - 10:15	
10:15 - 10:30	Popular Pandey <i>Title: Probing single nanoparticle (NP) events using nanopore –nanoelectrode</i> Florida International University
10:30 - 10:45	Sunxiang Huang <i>Title: Novel Magnetic Multilayer Thin Films for next Generation Magnetic Storage</i> University of Miami
10:45 - 11:00	<b>Coffee and Snack Break</b>
<b>Session 2 Starts</b>	
11:00 - 11:30	Keynote Speaker Dr. Kirk Ziegler <i>Title: Modulating the Surfactant Structure Around Single Wall Carbon Nanotubes for Selective interactions with hydrogel Surfaces</i> University of Florida
11:30 - 11:45	Suzana Hamdan <i>Title: Formulation of Nanodrugs for Therapeutic Biomedical Applications</i> University of Miami
11:45 - 12:00	Tyler Maxwell <i>Title: Antibiotic Loaded Heavy Metal Free Quantum-Dots for Enhanced Antibacterial Activity</i> University of Central Florida
12:00 - 12:15	
12:15 - 1:45	<b>Lunch</b> <b>Active Discussion Tables</b> <b>Dr. Ranu Jung Speech (Chair of Biomedical Engineering) Award Ceremony</b> <b>Dr. John Volakis Closing Speech (Dean of College of Engineering and Computing)</b>