January 28, 2014  Holly A. Stretz, Associate Professor  
Department of Chemical Engineering  
Tennessee Technological University  

“Achieving Nanoparticle Dispersion in Thin Films of Poly(3-Hexyl Thiophene) for Roll-to-Roll Processing”

February 4, 2014  Abhinav Malasi, PhD Candidate  
Chemical and Biomolecular Engineering Department  
University of Tennessee-Knoxville  

“Galvanic Coupling in Bimetallic Silver Nanoparticles for a Stable Plasmon”

February 11, 2014  Jennifer Ladd-Lively, Research & Development Staff  
Chemical Engineering  
Oak Ridge National Laboratory  


February 25, 2014  Travis Russell, PhD Candidate  
Chemical and Biomolecular Engineering Department  
University of Tennessee-Knoxville  

“Composition Dependence of the Flory-Huggins Interaction Parameter in Isotopic Polymer Blends: Structural and Thermodynamic Calculations of $x$”

March 4, 2014  Bobby Sumpter, Director  
Nanomaterials Theory Institute  
Computer Science & Mathematic Division  
Oak Ridge National Laboratory  

“Computation Guided Design of Nanostructured Materials for Energy Science”

March 11, 2014  Minsu Kim, Assistant Professor  
Department of Physics and Graduate Division of Biological & Biomedical Sciences  
Emory University  

“To Grow or Not to Grow: Survival Strategies of Bacteria to Cope with Hardship”
March 25, 2014

**Bradley Harris**, PhD Candidate
Chemical and Biomolecular Engineering Department
University of Tennessee-Knoxville

“Studying Redox Protein Fusion using Sorase-Mediated Ligation”

April 1, 2014

**Dr. Ramesh R. Bhave**, Director
Inorganic Membrane Technology Laboratory
Materials Science & Technology Division
Oak Ridge National Laboratory (ORNL)

“Nanoporous, Molecular Sieve, and Ion Transport Membranes for Selective Separations”

April 8, 2014

**Alex Meyers**, PhD Candidate
Chemical and Biomolecular Engineering Department
University of Tennessee-Knoxville

“Elucidating the Mechanisms of Lipid Droplet Formation in the Fission Yeast, Schizosaccharomyces pombe”

April 11, 2014

**Dennis Discher**, Robert D. Bent Professor
Chemical and Biomolecular Engineering (CBE), Bioengineering (BE), and Mechanical Engineering and Applied Mechanics (MEAM)
University of Pennsylvania

“Self’ versus 'Foreign' and Soft versus Stiff - Decisions in Survival and Differentiation”

April 15, 2014

**Eranda Nikolla**, Assistant Professor
Chemical Engineering and Materials Science
Wayne State

“Molecular Approaches Toward the Development of Efficient Electrocatalysts and Catalysts for Chemical Energy Conversion and Storage”

April 22, 2014

**Paul Dalhaimer**, Assistant Professor
Chemical and Biomolecular Engineering Department
University of Tennessee-Knoxville

“Biophysics of Lipid Droplet Formation in Eukaryotes”