SEMINAR
2017 - 2018

Department of Chemistry & Biomolecular Science

Seminars listed below were presented by Visiting Scientists, Graduate Students and Chemistry & Biomolecular Science Faculty

July 13, 2017
Professor Yu Han, King Abdullah University, Kingdom of Saudi Arabia
*Atomic-resolution transmission electron microscopy of electron beam-sensitive crystalline materials*

August 10, 2017
Ashkan Koushanpour, Clarkson University
*In situ Electrochemical Synthesis of Graphene Nano-Sheets and Their Implementation in Enzymatic Biofuel Cells*

September 1, 2017
Professor Olena Zenkina, University of Ontario, Institute of Technology, Canada
*In situ Electrochemical Synthesis of Graphene Nano-Sheets and Their Implementation in Enzymatic Biofuel Cells*

September 8, 2017
Professor Norbert Stock, Institute of Inorganic Chemistry, University of Kiel, Germany
*Metal-organic frameworks containing tri- and tetravalent metal ions*

September 15, 2017
Dr. Tomislav Friscic, Department of Chemistry, McGill University, Montreal Quebec
*Chemistry 2.0: How Solid-State Chemistry Enables a More Efficient and Environmentally-Friendly System of Synthesis*

September 22, 2017
Juby Varghese, Chemistry Graduate Program, Clarkson University
*Metal-Organic Frameworks: Design, Modification and Applications*

September 29, 2017
Professor Richard Partch, Department of Chemistry & Biomolecular Science, Clarkson University
*Molecular Engineering Colloid Surfaces, AKA: Examples of How and Why Chemistry Makes Them Useful*
October 6, 2017
Dr. Erik Berda, University of New Hampshire
Functional nanomaterials from single polymer chain

October 13, 2017
Dr. Peter Müeller, MIT, Cambridge, MA
Single-Crystal X-Ray Diffraction: Structure Determination for Chemistry and Pharmaceutical Research

October 20, 2017
Dr. Sozanne Solman, Department of Chemistry, SUNY Binghamton
Mechanism for G2 phase-specific nuclear export of the kinetochore protein CENP-F

October 27, 2017
Tyler Wilkinson, Clarkson University
Encapsulation of organic molecules inside ferritin nanocage

November 3, 2017
Kevin Kirk, Chemistry Graduate Program, Clarkson University
Printable Colorimetric Sensors for Heavy Metal Ion Detection

November 6, 2017
Dr. Ellen Robertson, Department of Chemistry, Kalamazoo College
Monolayer studies of nanosheet-forming peptoids

November 9, 2017
Dr. Matthew J. Jurow, University of California at Berkeley
Steering Photons and Charges through Light Emitting Materials

November 10, 2017
Prof. Alina-Diana Zamfir, Nat. Inst. for Res. & Dev. In Electrochemistry, Timisoara, Romania
Microfluidics-Mass Spectrometry for Glycomics in Biomedical Research

November 17, 2017
Hubert Bilan, Chemistry Graduate Program, Clarkson University
Synthesis of zwitterionic metal organic frameworks from pyridinium based carboxylate linkers

November 27, 2017
Dr. Eric Hill, CIC-biomaGUNE, Donostia/San-Sebastian, Spain & the University of Texas, Austin
Metal-Ceramic Nanohybrids: from Particles to Composite Materials
December 1, 2017
Devika Channaveerappa, Chemistry Graduate Program, Clarkson University
Proteomics Investigation of Induced Obstructive Sleep Apnea (OSA) in Rat Atria using Mass Spectrometry

December 4, 2017
Dr. Ryan Brown, The University of Notre Dame, Notre Dame, IN
Investigations of Metastable Cluster Formation in Small Molecules

December 7, 2017
Dawei Xu, Chemistry Graduate Program, Clarkson University
Study of Peptide-based Supramolecular Biomaterials for Therapeutics Delivery

December 8, 2017
Vasantha Krishna Kadambar, Chemistry Graduate Program, Clarkson University
Derivatization of Proteins Containing Histidine Tags

-Semester Break-

January 12, 2018
Kelly Wormwood, Chemistry Graduate Program, Clarkson University
Mass Spectrometry-Based Proteomics Investigation of Neurodevelopmental Disorders

January 19, 2018
Yongneng Wu, Chemistry Graduate Program, Clarkson University
Recyclable Porous Poly(ionic liquid) Membranes derived from Main-chain Polyimidazolium

January 26, 2018
Eduard Dumitrescu, Chemistry Graduate Program, Clarkson University
Direct Electrochemical Assessment of Nitric Oxide in Live Organisms: Method Development and Applications

February 02, 2018
Dr. Timothy Long, Department of Chemistry, Virginia Tech
Responsive Crosslinking: From Transient Polyimide Organogels to Nucleobase Hydrogen Bonded Physical Networks (and Beyond!)

February 8, 2018
Roshanak Aslebagh, Chemistry Graduate Program, Clarkson University
Mass Spectrometry-based Proteomics for Potential Biomarkers Discovery in Breast Cancer

February 9, 2018
Emmalyn Dupree, Chemistry Graduate Program, Clarkson University
Effect of legacy chemicals on the Great Lakes ecosystem: A proteomic approach
February 16, 2018  
Ali Othman, Chemistry Graduate Program, Clarkson University  
*Nanostructure Materials for the Removal and Detection of Phosphate-containing Compounds*

March 2, 2018  
Michael Regan, Chemistry Graduate Program, Clarkson University  
*Triazolide Functionalized Poly(Ionic Liquid)s via Multiple Routes*

March 16, 2018  
Dr. Daniela G. Seidler, Hannover Medical School, Hannover, Germany  
*Sulfated biopolymers: 2-O sulfated glycosaminoglycans*

March 30, 2018  
Michael Feasel, Army Chem/Bio Command, Edgewood, MD  
*Derivation of a Human Estimate of Toxicity for the Ultra-Potent Opioid Carfentanil*

April 6, 2018  
Dr. Mario Wriedt, Department of Chemistry & Biomolecular Science, Clarkson University  
*New Frontiers in Metal-Organic Frameworks: Spintronics, Tunable Gas Sorption, and Advanced Catalysts*

April 13, 2018  
Shefa Alomari, Chemistry Graduate Program, Clarkson University  
*Design and Synthesis of Zwitterionic Metal-Organic Frameworks*

April 16, 2018  
Professor Jun Li, Department of Chemistry, Kansas State University  
*Electrochemical Interface with Nanostructured Electrodes: From Biomolecules to Energy Materials*

April 19, 2018  
Professor Radislav Potyrailo, GE, Global Research Center, Niskayuna, NY  
*Chemistry, biology, and physics of sensors for emerging applications in the era of Internet of Things and Industrial Internet*

April 20, 2018  
Dr. Abraham Joy, Department of Polymer Science, University of Akron  
*Developing antibacterial polyurethanes and poly(ester urethane)s: a balancing act of bacterial toxicity and mammalian cell compatibility*

April 23, 2018  
Lina Bian, Chemistry Graduate Program, Clarkson University  
*Development of Novel Methods for the Facile Synthesis of Metal Sulfide Nanoparticles*
April 27, 2018
Dr. Fadi Bou-Abdallah, Chemistry Department, SUNY Potsdam
Mechanistic Details of Biomolecular Interactions Revealed by Isothermal Titration Calorimetry

June 11, 2018
Dr. Marius Stefan
Alexandru Ioan Cuza University of Iasi, Romania
Synthetic flavonoids – a potential solution to face antibiotic resistance crisis

June 11, 2018
Dr. Lucian Hritcu
Alexandru Ioan Cuza University of Iasi, Romania
Natural bioactive compounds for enhancing memory and antioxidant application in neurodegenerative disorders: mechanistic approach

June 13, 2018
Kelly Wormwood, Chemistry Graduate Program, Clarkson University
Mass-Spectrometry-based Proteomics Investigation of Neurological Disorders for Potential Protein Biomarker Discovery

June 18, 2018
Hubert Bilan, Chemistry Graduate Program, Clarkson University
Synthesis of Zwitterionic Metal-Organic Frameworks from Pyridinium Based Carboxylate Linkers