Fall 2020
August 21, 2020
*The proteomic effect of legacy PBT chemicals on fish consumers in the Great Lakes region*
Emmalyn Dupree, Chemistry PhD Candidate

August 28, 2020
*Investigating Kinetic Pre-Alignment of Naphthalene Derivatives*
Joshua Roys, Chemistry PhD Student

September 4, 2020
*Advancing Redox Precision Medicine for Diagnosis and Treatment of Cancer*
Dr. Cristina M. Furdui, Wake Forest School of Medicine

September 11, 2020
*Exploitation of Enzymes for Electrochemical Release of (Bio)molecules and Boolean Logic Gate Construction*
Madhura Bellare, Chemistry PhD Student

September 18, 2020
*The Apidaecin Wonders: how to stop protein synthesis after protein has been already synthesized*
Dr. Alexander Mankin, Professor, University of Illinois, Center for Biomolecular Medicine

October 2, 2020
*Reduced COVID-19 Cases and Deaths in Africa: the Role of Endemic Infections*
Dr. Thomas Egwang, Director, Med Biotech Laboratories, Kampala, Uganda

October 9, 2020
*Teaching Sponges New Tricks: Catalysis and Charge Transport in Microporous Metal-Organic Frameworks*
Dr. Mircea Dincă, Professor of Functional Inorganic and Organic Materials, Massachusetts Institute of Technology

October 16, 2020
*Controlling the Porosity of Hydrogels for Signal-Triggered Release*
Daniel Massana Roquero, Chemistry PhD Student
October 23, 2020
*The Study of Dynamic Covalent Exchange in Methacrylic Anhydride Copolymers*
Ariele Floyd Santefort, Chemistry PhD Student

November 6, 2020
*Bioelectrochemical Measurements with Nanoscale Pipettes*
Dr. Lane Baker, Professor of Chemistry, Indiana University at Bloomington

November 13, 2020
*Sensing Interfaces for the Design of (Bio)Nanotechnologies*
Madeline Masi, Chemistry PhD Candidate

**Spring 2021**

January 15, 2021
*Antibacterial drug discovery targeting bacterial RNA polymerase: myxopyronin (Myx)*
Dr. Richard H. Ebright, Professor of Chemistry & Chemical Biology, Rutgers University

January 22, 2021
25th Shipley Distinguished Lectureship
*Skin Inspired Organic Electronics*
Dr. Zhenan Bao, Professor of Chemistry and Materials Science & Engineering, Stanford University

January 29, 2021
*The Lithium Ion Battery: from a Dream to Domination of Energy Storage*
Dr. Stanley Whittingham, Professor of Chemistry, Binghamton University, 2019 Nobel Laureate in Chemistry

February 5, 2021
*Teaching Sponges New Tricks: Catalysis and Charge Transport in Microporous Metal-Organic Frameworks*
Dr. Mircea Dincă, Professor of Chemistry, Massachusetts Institute of Technology

February 19, 2021
*Peptide-Based Nanotechnology*
Dr. Rein Ulijn, Professor of Chemistry, City University of New York (CUNY)

February 26, 2021
*Dynamic Bonds and Polymer Chemistry to Design Soft Materials*
Dr. Dominik Konkolewicz, Professor of Chemistry & Biochemistry, Miami University
March 5, 2021

*Bio-inspired Nanotechnology and Chemical Biology Approached for Advanced Stem Cell Therapies*
Dr. KiBum Lee, Professor of Chemistry & Chemical Biology, Rutgers University

March 12, 2021

*Novel nanosystems for application in biomedicine: Design, synthesis and evaluation using (bio)analytical strategies*
Dr. Jose Luque-Garcia, Professor of Analytical Chemistry, Complutense University, Madrid, Spain

March 19, 2021

*MXenes-based Bioanalytical Sensors: Design, Characterization and Applications*
Reem Khan, Chemistry PhD Student

March 26, 2021

*Force-Activated Covalent Bond Transformations via Polymer Mechanochemistry*
Dr. Maxwell Robb, Professor of Chemistry & Chemical Engineering, California Institute of Technology

April 2, 2021

*Interpenetrating Responsive Polymer Networks in Alginate Hydrogels for “Smart” Drug Delivery*
Daniel Massana Roquero, Chemistry PhD Student

April 9, 2021

*Development of Polymers with Dramatic and Multifaceted Response to Mechanical Force*
Dr. Yan Xia, Professor of Chemistry, Stanford University

April 16, 2021

*Preparation of a Methyl-Terminated Silicon (111) Surface and Construction of a Home-Built Variable Temperature Ultrahigh Vacuum (VT-UHV) Scanning Tunneling Microscope (STM)*
Nicholas Stucchi, Chemistry PhD Student