



# Department of Chemistry 2018 Spring Colloquium

- Feb. 2** “Cloaking Electrophilic Warheads: Shape, a New Stealth Approach”  
**Dr. Patrick Gunning, University of Toronto (CD)**
- Feb. 9** ”Accurate *ab initio* Thermochemistry of Actinide-containing Molecules: From Thorium to Transuranic Elements”  
**Dr. Kirk Peterson, Washington State University (CT)**
- Feb. 16** “Moving Hydrides with Iron and Electrons through Metal Oxides: Biomimetic and Solar Fuels Approach to Hydrogen”  
**Dr. Michael Rose, University of Texas–Austin (AF)**
- Feb. 23** “Protein Engineering to Regulate Protein Interactions and Probe Energetics of Protein Conformational Change”  
**Dr. James Horn, Northern Illinois University (EK)**
- Mar. 2** “NMR Insights into the Transport Mechanism of the Small Multi Drug Efflux Pump, EmrE”  
**Dr. Katherine Henzler-Wildman, U. Wisconsin-Madison (NR)**
- Mar. 9** “Investigations of Antibiotic Resistance Mechanisms using Protein NMR”  
**Dr. Jeffrey Peng, University of Notre Dame (EK)**
- Mar. 23** “Discovering New Leads from Old Drugs: Repurposing Approaches for Tropical Diseases”  
**Dr. Michael Pollastri, Northeastern University (CD)**
- Apr. 6** “TBA”  
**Dr. William Dichtel, Northwestern University (RR)**
- Apr. 13** “Intermediates and Mechanism in Iron-Catalyzed Cross-Coupling”  
**Dr. Michael Neidig, University of Rochester (AF)**
- Apr. 20** “NMR Studies of Dynamics and Allostery in Nonribosomal Peptide Synthetases”  
**Dr. Dominique Frueh, Johns Hopkins Medical School (EK)**
- Apr. 27** “Synthesis and Catalytic Applications of Porphyrinic MOFs and Carbazolic POFs”  
**Dr. Jian Zhang, University of Nebraska-Lincoln (JH)**
- May. 4** “RNA Methylation in Gene Expression Regulation”  
**Dr. Chuan He, University of Chicago (NR)**

All lectures to be held at 4:00 PM on Fridays, unless otherwise noted, in Room 121 of the Todd Wehr Chemistry Building, 535 North 14<sup>th</sup> St. Refreshments will be served at 3:45 PM in Room 121. For more information call (414)-288-3515