12:30 pm  Dr. Brian Bahnson, Director of Graduate Studies  
Opening Remarks

12:35 pm  Michael Taylor (B.S., Salisbury University)  
“Pushing the Limits of Bioorthogonal Reactivity: Design and Synthesis of a Highly Reactive Dienophile for the Tetrazine-trans-cyclooctene Ligation”  
Advisor: Dr. Joseph Fox

12:55 pm  Wiley Hall (B.S., University of Maryland)  
Advisor: Dr. Murray Johnston

1:15 pm  Yingxin Huang (B.S., Dalian University of Technology)  
“Elemental Selenium Activation by Nickel(I) Complex and the Synthesis of High-Spin Nickel(II) Organoselenide Complexes”  
Advisor: Dr. Charles Riordan

1:35 pm  Joseph Klems (B.S., University of the Sciences in Philadelphia)  
“Ultrafast Chemical Measurements to Determine the Impact of Motor Vehicles on Urban Air”  
Advisor: Dr. Murray Johnston

1:55 pm  Refreshments (220 Brown Laboratory)

2:15 pm  Pavan Mantravadi (M.S., Indian Institute of Technology - Madras)  
“New Methods in Protein Function Modulation”  
Advisor: Dr. John Koh

2:35 pm  Jennifer Codding (B.S., McMurry University)  
“Substrate Discrimination in the Sulphydryl Oxidase, QSOX”  
Advisor: Dr. Colin Thorpe

2:55 pm  Mark Pennington (B.S., Drexel University)  
“Enabling Remote Aerosol Measurements Through Instrumental Improvements: A Nanoaerosol Story”  
Advisor: Dr. Murray Johnston

3:15 pm  Fang Dai (M.S., Nankai University)  
“Mechanism of Dioxygen Cleavage by Low Valent β-Diketiminato Chromium Compound”  
Advisor: Dr. Klaus Theopold
3:35 pm   Judges Meeting – 220 BrL

3:45 pm   Dr. John Burmeister, Associate Chair
          Presentation of Awards

Judges

Dr. Bruce Chase, Materials Science, UD (Analytical)
Dr. Erin E. Mack, DuPont (Biochemistry)
Dr. Nathan West, University of the Sciences in Philadelphia (Inorganic)
Dr. Joseph Fortunak, Howard University (Organic)
Dr. Edward Lyman, Physics and Astronomy, UD (Physical)