

Time	Nobel Hall, Room 105	Nobel Hall, Room 201	Nobel Hall, Room 305
1:30	Paige Miller Age affects female reproductive behavior and physiology in <i>Drosophila melanogaster</i>		Jake Bruihler Rates of erosion sediment mechanisms determined from geomorphic landforms in 7 Mile Creek Park
1:45	Penny Poeschl Older females decrease oogenesis in <i>Drosophila melanogaster</i>		Jenny Hanson Multi-Elemental Fingerprinting of Modern and Ancient Carbonates
2:00	Carl Schiltz Identifying an mRNA Directly Degraded by the Exosome in <i>Saccharomyces cerevisiae</i>		Mary Patterson Ecological Assessment of the Coneflower Prairie
2:15	Ian-Gibbs Hall Molecular Dynamics Simulation of a Peptide Amphiphile-Heparin Complex		Mike Howe Mechanistic Approach to Plant Demography
2:30	Break		
2:40	Emily Seelen Analyzing the Role of Urban and Isolated Wetlands in Maintaining Watershed Water Quality and Ecosystem Integrity	Grant Fitzgerald Linear Quadrupole Ion Trap Experimentation and Development of a Time of Flight Mass Spectrometer	Eric Talus Characterization of Column Contribution to Selectivity using the Hydrophobic Subtraction Model
2:55	Zach Wagner The Reduction of Riverine Silica Transport due to Invasive Riparian Vegetation	David Buckley Application of a Two-Source Energy Balance Model to the Delano Vineyards	Paul Young Characterization of Carbon-Modified Silicas for Analytical Liquid Chromatography
3:10	Nathan Olson Methylmercury in the St Louis River Basin	Riley Lass Photodegradation of Imazamethabenz-methyl	Beth Wiese Separation and Characterization of γ -Glutamylcysteine Ligase
3:25	Michael Walker Determination of Methylmercury-Dissolved Organic Matter Binding Constants by Competitive Ligand Exchange-Solid Phase Extraction	Anna Looby The Synthesis of Novel Low-Symmetry Phthalocyanines	Mariecus Jarvis The Binding of Two Circadian Rhythm Proteins, Cryptochrome and Period
3:40	Poster Session (Nobel Hall Atrium / Lobby)		
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4:30	Anna Huff Characterization of Ni(II)-Pyrazole Complexes	Megan Crow Photodegradation of the herbicide imazethapyr on corn and soybean wax	
4:45	Tuan Tran Nucleophilic Reactions of Potassium Phthaloylphosphide	Mike Howe Synthesis of a Novel Bifacial Ligand: 1,6,7,12-tetraazaperylene	
5:00		James Trevathan Differentiating calcium oxalate monohydrate (COM) and calcium oxalate dihydrate (COD) stones using quantitative morphological information from clinical CT images	

3:40 - 4:25 Poster Session: Nobel Hall Atrium / Lobby
Amy Christensen: Methylmercury Concentrations and Dissolved Organic Carbon/Methylmercury Relationships in Waters Receiving Excess Sulfate
Dawn Comstock: Identifying Rare Genetic Variants in Familial Waldenström Macroglobulinemia
Madison Heckel: Lexical Development in Toddlers
Michelle Hulke: Bellowing of American Bison and Variance in Tongue Position
Kory Kolis: Understanding the Kinetochore Complex in <i>Saccharomyces Cerevisiae</i>
Laura Leland: Correlation Between iBALT formation and the Expression Levels of IL-17A, IL-23, and CXCL13 During Influenza A Virus (IAV), Group A Streptococcal (GAS), and IAV+GAS Infections
Evan Odean: Discovery of Possible RNA Biomarkers in Ovarian Cancer
Tara Selly: Qualitative and quantitative assessment of taphonomic patterns in modern algae and cyanobacteria: implications for identifying Precambrian microfossils
Mary Joy Sun: Differential Life History Investment in American Bison -- Within season changes in offspring sex ratio
James Trevathan: Differentiating calcium oxalate monohydrate (COM) and calcium oxalate dihydrate (COD) stones using quantitative morphological information from clinical CT images
Guillermo Turcios: Spectroscopic Characterization of Cr ³⁺ -Pyrazole Coordination Complexes