

Fall Research Symposium Schedule
Friday, September 17, 2010

Time	Talk A – Nobel 105	Talk B – Nobel 121	Talk C – Nobel 201
1:30	Kristin Jahr <i>New approach to discovering drug to protein interactions for pharmaceuticals</i>	Laura Secor <i>Towards the development of a three-dimensional HPLC method for the quantitation of estrogen hormones and derivatives</i>	
1:45	Steve Groskreutz <i>Development of Hybrid Multi-Dimensional High Performance Liquid Chromatography for Fast, Targeted Trace Analysis in Complex Matrices</i>	Hilary Bauer <i>Mechanisms of Adipogenesis via PI3-Kinase/Akt pathway in Graves' Ophthalmopathy</i>	
2:00	Margaret Bloch-Qazi <i>Is she wound up? The role of a non-canonical histone on sperm fate in female fruit flies</i>	Linnea Schmidt <i>Expression patterns of METACASPASE 9 in Wild and Domesticated Cotton</i>	
2:15			
2:30	Nobel Preview Wallenberg Auditorium		
	Talk A – Nobel 105	Talk B – Nobel 222	Talk C – Nobel 201
3:30	Courtney Kerestes <i>Intramolecular Diels-Alder Reactions of Silyloxyfurans</i>	Xiu Xiao <i>Post Transcriptional Regulation of Metalloprotein II</i>	Michael Davidson, Christian DeMarais, Samuel Grace, Henry MacCarthy <i>Thrill Me</i>
3:45	Spencer Bonnerup <i>Development of Rapid LC/MS/MS-based Methods for Confirmatory Analysis of Opiates and Benzodiazepines</i>	Josh Hammer & Carl Stenoién <i>Rupert Anderson Award in Systematics: Enhancement of Gustavus Adolphus Vertebrate Museum's Freshwater and Marine Fish Collection</i>	Ben Johnson-Tesch <i>Insights into Irreversible Binding of Buthionine Sulfoximine and its Derivatives to γ-Glutamylcysteinylgase</i>
4:00	Laura Leland <i>Investigation of mRNA Degradation by the Exosome in <i>S. cerevisiae</i></i>	Audrey Messelt <i>Synthesis of Biologically Active Molecules via 1,5-electrocyclization</i>	Quentin Ebner <i>A Numerical Approach to Heisenberg's Anisotropic Spin Chain</i>
4:15			
4:30		Carl Stenoién <i>Larval Odonate Predation on Free Swimming Cercariae: Effects of Predator Density, Predator Diversity, and Prey Type</i>	Mandy Halfen <i>Cloning of Myohemerythrin and Metalloprotein II from <i>Nereis diversicolor</i> and Metal Binding in <i>Phascolopsis gouldii</i></i>
4:45		Zainab Jaji <i>Unfolding studies of Myohemerythrin (Myohr) from <i>Phascolopsis gouldii</i></i>	Michelle Kirkvold <i>Intramolecular Diels-Alder Reaction in Silyloxyfurans</i>
5:00		Jamison Utzig <i>Mercury in Itasca County Lakes</i>	Dawn Comstock <i>An investigation of one-component regulators in <i>Myxococcus xanthus</i></i>
5:15		Jiawen Li <i>Identification and Monitoring of γ-Glutamylcysteinylgase Inhibition in Cells</i>	Daniel McDougall <i>Designing and Building an Ion Trap</i>
5:30			Bryce Bjork <i>Photothermal Measurements of Optical Coatings for Advanced Interferometric Gravitational Wave Detectors</i>

Gustavus Adolphus College
Fall Research Symposium Poster Sessions
Friday, September 17, 2010

Poster Session A - 2:00 – 2:30 pm
Nobel 2nd Floor Atrium

Noel Amborn

Importance of CRY/PP5 Binding in the Circadian Cycle

Eric Cronin

The Irish in Olmsted County: A Preliminary Study

Rima Kharbush

Development of the Microbiota in Newborn Mammalian Species

Matthew Klun and Garrett Stoddard

Spectroscopic and Computational Characterization of Transition Metal-Pyrazole Complexes

Steve Lundberg and Keisha Bates

Tying the Knot: Providing Connections Between General Biology and Chemistry

Cyndi Smith

A Nurse Based BRIDGE Transitional Care Model Reduces Readmissions and ED Visits

Poster Session B - 4:00 – 4:30 pm
Nobel 2nd Floor Atrium

Justin Anderson

Mapping the Rso Tassel Sterility Gene in Maize

Alex Chubick

The Differences Between CRY1 and CRY2 and Their Role in Circadian Rhythms

Ian Gibbs-Hall

Carbon Based Stationary Phase Characterizations: For Applications in Extreme Separations

Amber Kirk

Mapping the dimer-dimer interface of the measles virus hemagglutinin tetramer

Daniel Mellema

Modal Analysis of Shearwave Propagation in Arteries and Tube-like Structures

Noah Setterholm

Factors affecting the rate of Diels-Alder reactions involving 2-trialkylsilyloxyfurans.

Kimberley Sukhum

The effects of stress conditions on floral and vegetative growth in endemic glade species

Brian Welch

Examination of denitrification and biofilm development by *Pseudomonas aeruginosa* (ATCC? 27853) incubated in agitated and static conditions