

2016 Fall Research Symposium Schedule

Gustavus Adolphus College, September 16, 2016

Time	NHS 105	NHS 121	
1:30 - 1:45	Russell Krueger - <i>"An evaluation of new technology for the measurement of in-situ soil moisture and temperature"</i>	Elise Boulicaut - <i>"Electronic Detection and diagnosis of health and illness of premature infants"</i>	Poster session, 2nd floor atrium/lobby
1:45 - 2:00			
2:00 - 2:15	Tanner Eischen and Lindsey Reiners - <i>"Relationships among morphology, texture, and chemistry in stromatolites of the green river formation (Eocene, Wyoming, USA)"</i>	Erin Baumann - <i>"Pb inventory in an ombrotrophic bog decreases over time"</i>	
2:15 - 2:30			
2:30 - 2:45	Kelly Neubauer - <i>"Laboratory Studies of O-Atom Recombination Relevant to the Earth's Upper Atmosphere"</i>	Claudia Seidl - <i>"Column Re-Equilibration in Hydrophilic Interaction Liquid Chromatography"</i>	
2:45 - 3:00		Sara Graves - <i>"Understanding the effects of loss of function of the bipolar disorder risk allele ANK3 in adult mice"</i>	
3:00 - 3:15	Katie Aney - <i>"Exploring the pathway of MYCN amplified Neuroblastoma using zebrafish"</i>	Madeline Jentink - <i>"Recognition of CTF13 mRNA by Nonsense Mediated mRNA Decay in Saccharomyces cerevisiae"</i>	
3:15 - 3:30	Ben Rorem and Rochelle Widmer - <i>"Design and Construction of a New Wind Delivery System"</i>	Carston Damman - <i>"Musks in Water: Assessing Technique for Eliminating Contaminants to Protect Native Fish and Mussels"</i>	
3:30 - 3:45	Break		
3:45 - 4:00	Melinda Meyer - <i>"The Effects of Double Mutants in Yeast"</i>	Ruby Schaufler - <i>"Rover Instrumentation: Identifying Extraterrestrial Biosignatures"</i>	
4:00 - 4:15	Rachel Lund - <i>"The High Five Project: Are Riparian Areas a Significant Source of Methylmercury to Rivers?"</i>	Alyssa Welle - <i>"Oxygen Consumption During the Induction of Rapid Cold-Hardening in Isolated Muscle of Flesh Fly, Sarcophaga bullata"</i>	
4:15 - 4:30	Cassidy Coates and Madeline Aberg - <i>"American bison cow mate preferences"</i>	Caitlin Clause, Jake Westfield, Connor Smith - <i>"Seven Mile Creek Watershed"</i>	

2016 Fall Research Symposium Schedule - Posters

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Last name	First name	Poster title
Chu	Linh	<i>Hydrogenation of alkene with transition metal catalysts on activated alumina</i>
Hagen	Kathryn	<i>The Effect of Stresses on the Stiffness of the Centromere</i>
Halvorson Larson	John Eli	<i>The second dimension in two-dimensional liquid chromatography is a strange place</i>
Hulstrand	Nicholas	<i>AC field chamber design for new xenon dark matter detector</i>
Krieger	Anna	<i>Characterization of chemical messenger secretion from malaria platelets</i>
Petersen	Matthew	<i>Differential effects of the SSRIs fluoxetine, paroxetine, escitalopram, and sertraline in a rodent model of hypobaric hypoxia-related depression</i>
Power	Erica	<i>Chemotherapeutic inhibitor sensitivity in Candida Albicans neocentromere strains</i>
Sajulga	Ray	<i>Simulation tools for high-performance liquid chromatography</i>
Schroder	Annika	<i>Biomolecular interactions with nanoparticles: quantifying 17β-estradiol binding affinity to titanium dioxide nanoparticles</i>
Steinwand	Gabriel	<i>Rates of mercury methylation in specific habitat zones of the St. Louis river estuary</i>