

2018 Fall Research Symposium Schedule

Oral presentations session - 1

Time	Wallenburg Auditorium	Time	NHS 105
1:30 - 1:50	Sarah Claessens - <i>"Improving Compostable Plastics: Synthesis of a Substituted Glycolide Monomer from Citric Acid"</i>	1:30 - 1:45	Devin Makey - <i>"Diving Deep – Continued Studies of the Longitudinal Diffusion Coefficient in Liquid Chromatography"</i>
1:50 - 2:10	Espen Frederick & Vatsala Adile - <i>"Detection of Atmospheric Gravity Waves through Wavelet Analysis"</i>	1:45 - 2:00	Amy Crawford - <i>"Instability and Complexity of Polycyclic Musk Galaxolide"</i>
2:10 - 2:25	Kira Holton & Katherine Williams - <i>"Drugging Protein-Protein Interactions: The KIX Domain"</i>	2:00 - 2:15	Emma Santa - <i>"Investigating the Role of LMO3 in Dopaminergic Neurons and Parkinson's Disease"</i>
		2:15 - 2:30	Thomas Lauer - <i>"The Simulation of Complex Liquid Chromatography Systems"</i>

Poster session and refreshments

Time	Nobel Hall Atrium	
2:30 - 3:10	Linh Chu Emily Fischer Kaitlyn Gruber Sydney Hedberg Gabriel Leme	Hayley Lhotka Cristhian Martinez Emma Santa Riley Thoen Harrison Willenbring Michaela Zachman

Oral presentations session - 2

Time	NHS 201	Time	NHS 105
3:10 - 3:30	Abby Trouth - <i>"Investigating Class I Lanthipeptide Clusters Containing Isoaspartate Methyltransferases"</i>	3:10 - 3:30	Kathryn Hagen - <i>"Directionality in Neural Network Avalanches"</i>
3:30 - 3:45	Maicy Vossen - <i>"Modeling the Consequences of Increased Kinetochores Protein Levels in Cancer Using Yeast"</i>	3:30 - 3:50	Xiaoqi Yu - <i>"Cosmological Dependence of the First Order Power Spectrum Response"</i>
3:45 - 4:00	Abigail Carsten - <i>"American Bison Mating and Behavior"</i>	3:50 - 4:05	Tyler Brau - <i>"Modelling Experimental Injection Profiles for HPLC Simulations"</i>

2018 Fall Research Symposium Schedule - Posters

Last name	First name	Poster title
Chu	Linh	The Impact of Acetyl-CoA Carboxylase 2 mutants on Prolyl Hydroxylase 3 Function
Fischer	Emily	Landslide Hazards and Impacts on Minnesota's Natural Environment
Gruber	Kaitlyn	Photodegradation of the herbicide, Dicamba (3,6-Dichloro-2-methoxybenzoic acid), in Aqueous Solutions and on Plant Surfaces
Hedberg	Sydney	Population-specific interactions of sex and developmental phenotypic plasticity on the thermal tolerance of a marine copepod.
Leme	Gabriel	Multidimensional chromatographic approaches for the analysis of biopharmaceuticals
Lhotka	Hayley	Increased resolving power and detection sensitivity of two-dimensional liquid chromatography for bottom-up analysis of therapeutic proteins
Martinez	Cristhian	Availability and accessibility of community assets that could increase physical activity and nutritious eating among children of migrant farmworkers in Elysian, Minnesota
Santa	Emma	Investigating the Role of LMO3 in Dopaminergic Neurons and Parkinson's Disease
Thoen	Riley	Estimating invasive potential of <i>Echinacea pallida</i> and its hybrids (<i>E. pallida</i> x <i>angustifolia</i>) in a severely fragmented prairie habitat
Willenbring	Harrison	Implications of dispersion in connecting capillaries for separation systems involving post-column flow splitting
Zachman	Michaela	NIR-NIR Upconversion Nanoparticles for Latent Fingerprint Development: Determination of Optimal Particle Size