

2015 Fall Research Symposium Schedule

Featured presentations (in the Nobel Hall of Science Wallenberg Auditorium)	
6:00 pm	<p>Kelle Nett <i>Optogenetic activation of A2A receptors in the dorsal medial striatum and its effect on ethanol-seeking, anxiety-like and depressive-like behaviors</i></p>
6:25 pm	<p>Morgan Timm <i>Characterization of lipooligosaccharide binding to polystyrene nanoparticles</i></p>
7:00–8:00 pm Poster presentations (Nobel Hall of Science 3 rd floor) Refreshments (provided in the Atrium/Lobby – 2 nd floor)	
<p>Mahmoud AbuEid <i>A comprehensive understanding of cleft lip and palate care in the Middle East and North Africa</i></p>	
<p>Mikaela Algren and Cole Raisbeck <i>Characterizing the acoustic radiation force of ultrasound: modeling the output of ultrasound transducers</i></p>	
<p>Emilie Benson <i>Electrostatic gating of MBE-grown NdTiO₃ thin films</i></p>	
<p>Chandra Bouma <i>Photodegradation of imazethapyr on soy and corn plant surfaces</i></p>	
<p>Morgan Evenson, Bri Malecha, and Alora Smith <i>SAR study targeting the KIX domain</i></p>	
<p>Brian Hastings and Halie Ostberg <i>Reproductive senescence has negative effects on early egg development and embryonic viability in <i>Drosophila</i></i></p>	
<p>Tara Hoverstad <i>Can children learn like adults? The impact of a memory aid on pattern learning in children</i></p>	
<p>Nathan Huber <i>Enhanced mobility in an insulator capped 2DEG at SrTiO₃ (100) surface</i></p>	
<p>Alec Iverson <i>Emission measurements of ion source injectors at the NSCL using Allison Emission Scanners</i></p>	
<p>William Jons <i>Analysis of the heterogeneity of Mesp1+ mesoderm by single-cell RNA-seq</i></p>	
<p>Anna Krieger <i>Iron and cadmium binding in metalloprotein II and myohemerythrin from <i>Nereis diversicolor</i></i></p>	
<p>Anna Krieger and Ian Hill <i>The effect of initial culture addition on the fermentation time of kombucha</i></p>	
<p>Russell Krueger <i>Testing the validity of δD in leaf waxes as a proxy for paleoprecipitation</i></p>	
<p>Eli Larson <i>Triglyceride hydrogenation in a platinum nanoparticle packed bed reactor in-line with two-dimensional high performance liquid chromatography</i></p>	
<p>Rayna McLouth <i>Oleaginous yeast fermentation: green solvent extraction and metabolite analysis</i></p>	
<p>Kelly Neubauer and Xiaoqi Yu <i>Using a Michelson interferometer to characterize the hysteresis of a piezoelectric actuator</i></p>	
<p>Reina Nielsen <i>Lichen coverage and morphology on different aged basaltic lava flows</i></p>	
<p>Zachary Rehnelt <i>Sustained monitoring of a restored tallgrass prairie</i></p>	
<p>Lindsey Reinert and Tanner Eischen <i>From Mesoproterozoic to Eocene: stromatolite variances through time and space</i></p>	
<p>Ray Sajulga <i>Simulation of sample matrix effects in liquid chromatography with large injection volumes</i></p>	
<p>Matt Sorenson <i>The preservation of DNA using magnetic ionic liquids</i></p>	
<p>Emily Syverud <i>Improving MRI scans of perfusion fixed en bloc heart-lung specimens</i></p>	
<p>Rochelle Widmer <i>Computer graphics for connecting facial motion to emotional intent</i></p>	