

2014 Fall Research Symposium Schedule – Friday, September 12, 2014

1:30-1:55 Poster session: Nobel Hall Atrium/Lobby			
Griffin Reed The spectrum and prevalence of <i>ACTN2</i> mutations in sudden unexplained death in the young			
Kate Schulze Interneuron vulnerability in aged monkeys with memory impairment			
Guillermo Turcios Characterization of Fe ³⁺ -pyrazole coordination complexes			
Time	Nobel Hall, Room 105	Nobel Hall, Room 121	Nobel Hall, Room 201
2:00	Showcase presentation 1 Anna Huff Microwave investigation of Xe-SO ₃	Showcase presentation 2 Russell Krueger and Rachel Mohr The physical and biochemical alteration of the Platte River by <i>Phragmites australis</i> , an invasive species of wetland grass	
2:30	John Danforth Optimization of 2DLC conditions for separation of metabolites in <i>Brassica Napus</i> L.	Dominic Delmont Taphonomy of bison bones from the Des Moines River	
2:45	Break		
2:55	Amy Christiansen, Alexa Peterson, and Scott Anderson Photodegradation of imidazolinone herbicides and pesticides	Bailey Hilgren Stromatolite vs. concretion: the origin of round objects in the Shakopee Formation	Kory Kolis Investigating genes involved in pre-zygotic genetic isolation between <i>S. cerevisiae</i> and <i>S. uvarum</i>
3:10	Josh Portner Methylmercury photodemethylation	Mikaela Algren and Grace Kerber Ion reaction studies with a linear quadrupole trap (LQT)	Michaela Rice What makes a happy home? Understanding western burrowing owl habitat and ecology
3:25	Kris Reiser and Rachel Weitz Dragonfly larvae as bioindicators of MeHg in the St. Louis River watershed 2012-2014	Serenity Mahoney Interpreting crater-related breccia in Endurance and Victoria Crater on Mars: a study of Martian sedimentary processes	Esther Mwangi Mate discrimination by males (<i>Bison bison</i>)
3:40	Break		
3:50	Beth Wiese Epigenetic regulation of DNA methyltransferase 3-like (DNMT3L)	Eric Hanson Knots and links in the Newton-Leipnik attractor	Andrea Gruver Population genetics of <i>Hyles lineata</i>
4:05	Colleen Caldwell Characterization of cadmium binding in Metalloprotein II	Joshua Wolanyk Effects of an electric field on superfluid helium	Michelle Hulke Development of small, <i>PKD1</i> -specific amplicons to facilitate next-generation sequencing based molecular diagnostics of the duplicated <i>PKD1</i> locus
4:20	Anna Krieger and Kristin Podratz Protein unfolding	Brittany Knutson	Lindsey Reiners
4:35	Nathan Huber Deposition of polymer films in a DC plasma	Sami Manick and Jens Thomson Food in the curricula	