

2010 Sigma Xi Symposium Schedule

April 30, 2010

4:15 pm-7:00 pm

Session Ia: Oral Papers	
Nobel 201	
4:15 pm-6:30 pm	
4:15 pm	The Geology of Seven Mile Creek Park Jeremy Bock
4:30 pm	Quantification of Glutathione using Fluorescence Detection Siu On Auyeung
4:45 pm	Inhibition of Anti-microbial Products by Bacterial Signaling Molecules n-Acyl Homoserine Lactone Eric Fitts
5:00 pm	Understanding <i>Cellulomonas Flavigena</i> through Genome Annotation and Functional Genomics Studies Stephanie Hardel
5:15 pm	Break
5:30 pm	Non-Contact Measurements of Operating Deflection Shapes Using a Roving Ultrasound Transducer Brad Abell
5:45 pm	Selectivity and Binding of Buthionine Sulfoximine Diastereomers to gamma-Glutamylcysteinylase Benjamin Johnson-Tesch
6:00 pm	Post-transcriptional Regulation of MPII Nick Guttormson, Krishan Jethwa, Gamachu Melkamu
6:15 pm	Selective Excitation of Cantilevers Using Ultrasound Bryce Bjork

Session Ib: Poster presentations

In association with the Celebration of Creative Inquiry

Jackson Campus Center

5:00 pm-7:00 pm

Allosteric Behavior of Monomeric gamma-Glutamylcysteine Ligase in the Presence of Non-substrate Analogs

Chelsea Koepsell

Photochemical Degradation Products of Imazethapyr in Natural Waterways

Annie Opseth

School vs. Home Lunches and Diet Variance: Project Healthy Schools Study

Cyndi Smith

Design of Patient-tailored Therapies using Multiple Holistic Treatments to Reduce Stress Indicators

Ashley Baumann, Becky Dove, Jeanifer Poon

Dependence of Myohemerythrin Folding on Iron Oxidation State

Alysha Dicke

Histone 3.3A Affects Progeny Numbers and Sperm Storage in *Drosophila melanogaster*

Stephanie Snyder

Development of Rapid Liquid Chromatography-Based Methods for the Quantitation of Opiates and Benzodiazepines in Human Biofluids

Jonna Berry and Tomas Liskutin

Development of Multidimensional Chromatography for Trace Analysis in Complex Mixtures: Analysis of Phenytoin in Wastewater Treatment Plant Effluent and Hydrocortisone in Human Urine

Scott Simpkins, Michael Swenson, Steve Groskreutz

Intratissue Refractive Index Shaping (IRIS) Affects the Structure and Organization of Collagen Fibrils in the Corneal Stroma-an Electron Microscopy Study

Melissa Mackley