2009 Sigma Xi Symposium Schedule

May 1, 2009

1:30 pm – 4:45 pm

Session 1a—1:45 pm to 3:00 pm	Session 1b—1:30 pm to 3:00 pm
Nobel 105	Wallenberg auditorium
Chair: Brian O'Brien	Chair: Sanjive Qazi
	1:30 pm Strategies for neural and immune responses to provide mechanistic understanding of Holistic Medicine
	Ashley Baumann, Rebecca Dove, Jeanifer Poon
1:45 pm All-Vanadium Redox Battery Ryan Espy	1:45 pm Between Leaf Scars and Roots in the Fern Genus, Botrychium Colette Brandt and Ashley Grivna
2:00 pm Spectroscopic Investigation of the Pyrazole System	2:00 pm Cloning and Expression of Myohemerythrin and Metalloprotein II
Molly Beernink	Jessica Moertel
2:15 pm The Preparation of New Hydrocarbon-Cisplatin Anti-tumor Drugs Joel Rindelaub	2:15 pm Solvent Signal Suppression Using WEFT and Decoupler Pulse Sequences Veronica Taylor
2:30 pm Ravine Development and Bank Recession of Ravine Z in Seven Mile Creek Park David Koppel	2:30 pm Gluek Pond Restoration Plan, Minnesota Regional Treatment Center Stephanie Erlandson
2:45 pm Evidence of a Paleochannel Prior to the Present Le Sueur River Channel in Mankato, MN	2:45 pm Happiness and Related Components in Chilean and American Culture
Mikayela Munson	Emma Espel

3:00 pm-3:30 pm Poster Session and Reception in Nobel Lobby

Solar Power at Gustavus Anna Schuh Optimization of Column Choice for Trace Analysis of Triclosan in River Water using Heartcutting Three-Dimensional High Performance Liquid Chromatography Scott Simpkins All-Vanadium Redox Battery Ryan Espy Shadow Analysis of Wind Turbines Kyle Hulbert You Mean I Came All This Way For Nothing? Investigation of Potential Sperm Storage Mutants in Drosophila Melanogaster Pauline Jackson Hold On! Female Sperm Storage in Drosophila Melanogaster Heather Rusk lozenge is Required for Normal Sperm Storage Patterns in Drosophila melanogaster Females

Isaac Weeks

Session 2a—3:30 pm to 4:45 pm	Session 2b—3:30 pm to 4:45 pm
Nobel 105	Nobel 201
Chair: Laura Triplett	Chair: Margaret Bloch Qazi
3:30 pm Mineralogy and	3:30 pm Non-Contact Modal Excitation
Metamorphism of the Stromatolite	of Micro-Cantilevers using Ultrasonic
Bearing Layers of the Biwabik Iron	Radiation Forces
Formation	Dec I Al ell Dec Mellere
D. E.	Brad Abell, Dan Mellema
Dan Foley	
3:45 pm Geomorphology of Naran	3:45 pm Female response to oxidative
Khondii, Hoh Serh Range, Mongolian	stress depresses early stage fertility in
Altai, Western Mongolia	Drosophila melanogaster
Kathryn Ladig	Leah Hogdal
4:00pm The Stratigraphy of Seven Mile	4:00 pm The effects of group synchrony
Creek Park And Implications For Ravine	on cooperation, prosocial beahvior, and
Growth And Other Geologic Processes	mood.
Growth And Other Geologic Processes Within The Park.	
Within The Park.	mood. Susie Kramer
Within The Park.	
Within The Park. Elliot Peterson	Susie Kramer
Within The Park. Elliot Peterson 4:15 pm A chemical analysis of	Susie Kramer 4:15 pm Allosteric behavior of
Within The Park. Elliot Peterson 4:15 pm A chemical analysis of sediment sources in the Le Sueur River, southern Minnesota	4:15 pm Allosteric behavior of monomeric E.coli gamma-GCL in the presence of non-substrate analogs
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