

Student Research Presentations

Session I A AC 236

- 9:30 AM The Effect of Sucralose and Sucrose On Activity Levels of *Mus musculus*.
Abbie Stark; Beta Iota Chapter, Bethel University
- 9:50 AM Small Mammal Use of Reclaimed Mountaintop Removal and Valley-Fill Habitats.
Brian Daniels, Matthew A. B. Smith, and Joseph C. Whittaker;
Beta Xi Chapter, Pikeville College
- 10:10 AM Development of Goat Anti Mouse (Gt x Ms) IgM Specific-Agarose Gel from Gt x Ms IgM Affinity Purified Antibody.
Zachary Schmidt; Beta Iota Chapter, Bethel University
- 10:30 AM **Break**
- 10:50 AM RNA Isolation Techniques for the Marine Chlorophyte *Tetraselmis suecica*.
Thomas Mahan; Beta Chapter, McKendree College
- 11:10 AM Temporal and Spatial Expression of Gata-6 in *Xenopus laevis*.
Robert Richmond; Beta Iota Chapter, Bethel University

Session I B AC 237

- 9:30 AM Luminescent Supramolecular Materials Based on Organomercurials and Arenes.
T. J. Taylor, Laxman Pandey, C. N. Burress, F. P. Gabbai; Beta Chapter, McKendree College
- 9:50 AM Aqueous Phase Dechlorination of a Widespread Groundwater Pollutant with Humic Acid and Nickel Ions.
Charles Peterson; Beta Iota, Bethel University
- 10:10 AM Investigating the Quartic.
Amalia M. Hunter; Sigma Chapter, Our Lady of the Lake University
- 10:30 AM **Break**
- 10:50 AM Measurement of Exercise-Induced Lipid Peroxidation Byproducts in Human Breath by Gas Chromatography-Mass Spectrometry.
Carolyn Douglas; Alpha Psi Chapter, Hillsdale College
- 11:10 AM Controlled Release of Dexamethasone from Poly(lactic-co-glycolic acid) Microspheres.
Bethany Fast; Beta Iota Chapter, Bethel University

Afternoon Schedule

12:00 NOON Meet for Field trips CLC circle

(Lunch on your own enroute; see enclosed maps)
Vans should meet in the CLC circle promptly at 12:00 noon

1 Como Zoo and Conservatory

2 the Mall of America (Underwater World)

3 Science Museum of Minnesota

5:00 PM Return to Bethel or Motels

6:30 PM Banquet: Eastland Room

7:30 PM Announcements and Awards

7:45 PM Presentation: Dr. Mark Seeley
Climatologist
University of Minnesota
Minnesota Public Radio

"Signals of Climate Change:
Data Trends and Observational Evidence"

8:45 PM Adjourn

Saturday:

8:00 AM Continental Breakfast

9:00 AM Announcements

Committee follow-up meetings

Student Research Presentations

Session II A AC 236

- 9:30 AM Surface Modifications of Platinum and Titanium by Sintering.
Kelly Schwartzbauer; Beta Iota Chapter, Bethel University
Kia Nicholson and Dr. Jeffrey Duerr; Beta Beta Chapter, George Fox University
- 9:50 AM MAP Kinase Activation During Progressive Dehydration in Two Species of Amphibian: *Bufo marinus* and *Rana catesbeiana*.
- 10:10 AM Analysis of Expression of Bone Morphogenetic Protein 4 (BMP4) in the **Frog**, *Xenopus laevis*.
Adam J. Gilbertsen and Dr. Bryan Hyatt; Beta Iota Chapter, Bethel University

Session II B AC 237

- 9:30 AM The Effect of Fertilizers on Dry Weight and Nutritional Content of Alfalfa.
Miki Mannino; Beta Chapter, McKendree College
- 9:50 AM The Pharmacological Effects of the Aqueous Extract of *Caulophyllum thalictroides* (Blue Cohosh) on Isolated *Mus musculus* Uteri.
Jennifer Berger and Dr. Teresa DeGolier; Beta Iota Chapter, Bethel University
- 10:10 AM The Effects of Caffeine and Nicotine on the Oxygen Consumption of the Worm, *Lumbricolus variegatus*.
Michael Flesch; Pi Chapter, Millikin University
- 10:30 AM **Break**
- 11:00 AM **Closing Business Meeting**

Call to Order: President Bernadine Cochrane

Reports:

President's report-

Special awards-

Committee Reports:

Auditing committee-

Resolutions Committee-

Nominations Committee-

Honor Award-

Presentation Award-

Founders Cup-

Founders Cup Plaque-

Host Award-

President's Award-

Closing remarks:

Passing of the gavel-

New Presidents comments-

Convention site in 2008-

Adjournment