

Seventh Annual Fall Senior Research Symposium

Thursday, December 13, 2007

Kline Hall of Science/Jordan Science Center

Department of Biological Sciences
Department of Chemistry and Biochemistry
Department of Nutrition and Dietetics

Oral Presentations I - 4:40 – 6:00

Kline 106

- 4:30 Dr. Gerald Hess Welcome and Announcements
- 4:40 Jolene Bierly *The Study of Neointimal Layers Using the Scanning Electron Microscope* (Hess, Zapanta*)
- 5:00 Vanessa Schmouder *Improving Circulatory Support Devices: The role of textured blood-contacting materials in neointimal development* (Hess, Zapanta*)
- 5:20 Jennifer Emberger *The Importance of Early Diagnosis of HIV/AIDS in Infancy and Childhood: Towards Better and Appropriate Diagnostic Methods in a Resource Poor Environment such as Zambia* (Mylin, Shin, Thuma*, van Dijk*)
- 5:40 Jennifer Michener *Interactions between norepinephrine and angiotensin II in mediating vasoconstriction in rat aorta* (Tallarida* Lamarre* Inan*)

Kline 120

- 4:35 Dr. Gerald Hess Welcome and Announcements
- 4:40 Lauren Kras *Fifty-five years of Vegetational Change on a Sandstone Hill in South-Central Pennsylvania* (Foster)
- 5:00 Lauren Kras *A Study of the Vegetation and Floristic Diversity of a Peatland Community in Northern Lower Michigan* (Crow*)
- 5:20 Lori Price *The Distribution of Benthic Marine Habitats Along the West Coast of Dominica, West Indies* (Steiner*)
- 5:40 Abram Schneck *Mosquito Larvae Presence and Numbers in Relation to Splash Disturbance and the Surface Area of Splash Pools at Isle Royale National Park* (Lindquist)

Poster Presentations I and Dinner Break – 6:00 – 6:45 Jordan Lobby, Hollinger Atrium and Lounge

A poster summarizing each oral presentation will be on display in the lobby throughout the entire symposium. Guests are encouraged to talk further with the speakers about their work by their posters during this session. Oral Presentations I speakers will attend their posters during the 6:15 – 6:45 poster session.

Oral Presentations II – 6:45 – 8:25

Kline 106

- 6:45 Cameron Rutt *Sexual Dimorphism in a Monochromatic Species, the Barbados Bullfinch, Loxigilla barbadensis*, (Ricklefs*, Lindquist)
- 7:05 Lindsay Yoder *Effects of Menstruation and Exercise on the Prevalence of Anemia in College Females* (Witt)
- 7:25 Vienna Vogelesang *The Effects of Meal Plan and Year in College on Prevalence of Anemia* (Witt)
- 7:45 Emily Forschler *Oxidation of Small Alcohols Using Spinach Photosystem II* (Sachs)
- 8:05 Anna Beiler *Michael Reactions in Ionic Liquids: a Greener Approach to Organic Synthesis* (Sachs)

Kline 120

- 6:45 Tim Worrell *Determination of the Dimerization Characteristics of the GBF6 protein in Arabidopsis thaliana* (Shin)
- 7:05 Adia Kelly *Nickel Uptake and Processing in Arabidopsis thaliana* (Shin, Schaeffer)
- 7:25 Sarah Pollock *Sucrose Post-transcriptional Regulation of ATB2 in Arabidopsis thaliana* (Shin)
- 7:45 Jonathan Stoltzfus *Caenorhabditis elegans Genes Critical for Yersinia pestis Biofilm Attachment* (Darby)