FALL FEST
2007
November 7
Noon-3pm
GODDARD LIBRARY
Presentations

**Biology**

Internal Nitrate Pools from the diatoms Skeletonema and Thalassiosira: Variability due to light exposure and nitrogen source. **Bryce Winant '08** (sponsor: Professor D. Robertson)

The evolution of glutamine synthetase (GSII) in select lineages of green algae. **Jenna Nguyen '08** (sponsor: Professor D. Robertson)

Molecular characterization and evolution of glutamine synthetase in the marine haptophyte, *Emiliania huxleyi* **Kevin Brown '08** (sponsor: Professor D. Robertson)

**Chemistry**

Isolation of Biosynthetic Intermediates from Artemisia annua (Sweet Wormwood) **Melissa Loving '08** (sponsor: Professor K. Erickson)

Biophysical Studies of Collagen VII **Lincoln Muhoro '08** (sponsor: Professor N. Lazo)

Studying the Combined Effects of the Arctic and Flemish Mutations on the Aggregation of the Amyloid beta-protein **Saima Chaudhry '08** (sponsor: Professor N. Lazo)

On the Effects of the S20G Mutation on the Folding and Aggregation of the Islet Amyloid Polypeptide **Miranda Simon '08** (sponsor: Professor N. Lazo)

Deuteration - Preperation for Neutron Scattering **Susan N. Herringer '09** (sponsor: Professor M. M. Turnbull)

Transition Metal Complexes of Dihaloaminopyridines: Syntheses, Crystal Structures and Magnetic Properties of \([\text{Cu}(3,5-\text{diCap})_2X_2]\) and \([\text{Cu}(3,5-\text{diBap})_2X_2]\) \([X = \text{Cl}, \text{Br}]; 3,5-\text{diCap} = 2\text{-amino-3,5-dichloropyridine}; 3,5-\text{diBap} = 2\text{-amino-3,5-dibromopyridine}]** **Kelley Shortsleeves '09** (sponsor: Professor M. M. Turnbull)

Bis(3-methylpyridinium) tetrabromocuprate: Is it Unique? **Morgan Provost '08** (sponsor: Professor M. M. Turnbull)

Syntheses, Crystal Structures and Magnetic Properties of Heteronuclear Bimetallic Compounds of \([\text{Cu}(\text{pdc})_2][M(\text{H}_2\text{O})_5]_2\text{H}_2\text{O} [M = \text{Ni(II)}, \text{Co(II)}, \text{Mn(II)}; \text{pdc} = 2,6-\text{pyridinedicarboxylato}]] **Alexander R. Parent '08** (sponsor: Professor M. M. Turnbull)

**Computer Science**

Microcontrollers and Sound. **Virginia Gray '08** (sponsor: Professor J. Breecher)
**Geography**

Towards a sub 1-meter Classification of Suburban northeastern Massachusetts James Wilson ‘09 (sponsor: Professor C. Polsky)
Mapping Forest Cover in Massachusetts Using Remotely Sensed Data Alina Taus ‘11 (sponsor: Professor J. Rogan)

**Philosophy**

The Adherence Problem: Ethics and Public Health in Antiviral Therapy for HIV Sara Koehring ‘11 (sponsor: Professor P. Derr)
Social, Moral & Public Health Issues in HIV Testing in Developing Countries Jessica Robie ‘11 (sponsor: Professor P. Derr).
Stress reduction tools for schools Armen Kassabian ‘09 (sponsor: Professor Cordova)

**Physics**

Tumbling Paper Mike Robitaille ‘09 (sponsor: Professor A. Kudrolli)

**Steinbrecher Fellows**

A Holistic Approach to Education in Malawi: Lessons Taught and Learned at the Bambino Schools in Lilongwe Jon Steenbeke ‘08
The Influence of Environmental Policy Reforms on Environmental Management and Performance of Gold Mines in Central Lapland, Finland Paula Zimmerman ‘08 (sponsor: Professor D. Johnson, and Professor S. Krefetz)

**Clark Voices**

Clark Voices is Clark University’s oral history podcast about academic life at Clark. Join us in Goddard Library from noon-3pm during Fall Fest. Record your story about a favorite class, professor, team project, study abroad experience, research study or any other academic area. Record your story alone or with a friend. We’d love to hear from you!