



ITHACA COLLEGE  
BIOLOGY DEPARTMENT

Spring 2006

303-30200 Junior Research Symposium



**TUESDAY, APRIL 25**

- 4:00 Amanda Bostick** (Bruce Smith)  
Miles between them - geographic isolation and the beginning of reproductive incompatibility
- 4:15 Erin Pryce** (Bruce Smith)  
The influence of geographic distance on mate choice by male *Arrenurus manubriator* water mites
- 4:30 Stephanie Hylen** (Susan Swensen)  
Calculating the greenhouse gas emissions of the college
- 4:45 Justin Viggiano** (Jason Hamilton)  
Industrial metabolism: making Gimme! Coffee a more sustainable company
- 5:00 Stephanie Simon** (Peter Melcher)  
Want a drink with some of that meat? Water relations of tropical pitcher plants
- 5:15 Brittany Herits** (Jason Hamilton)  
Carbon metabolism of a local coffee company
- 5:30 Dominic Roda** (Peter Melcher)  
Sweet or Spicy: A look into the effects of anthocynins on soil respiration

ALL ARE WELCOME!

**WEDNESDAY, APRIL 26**

- 4:00 Hugo Valencia** (Andy Smith)  
The use of ion-exchange chromatography to determine cross-linking interactions in Molluskan glue
- 4:15 Will Brogan** (Bruce Smith)  
Does familiarity breed contempt? - reduced pheromone response with increased duration of exposure
- 4:30 Rachel Blasiak** (Andy Smith)  
The role of different molecular interactions in aggregating glue proteins
- 4:45 Lovasia Anderson** (Jason Hamilton)  
Herbivore induced plant invaccination
- 5:00 Ken Lim** (Marc Servetnick)  
Comparing the effects of Fibroblast Growth Factor Receptor-3 to others in *Xenopus laevis* embryos

**THURSDAY, APRIL 27**

- 4:00 Martin Tomov** (Vicki Cameron)  
Stabilization of mutant forms of Cox2p by deletion of YME1 and over-expression of PET111
- 4:15 Stephanie Cianchetti** (Ed Cluett)  
The effect of phospholipose AZ antagonists on cellular trafficking of NPC1
- 4:30 Jonathan Hughes** (Ed Cluett)  
The effects of cholesterol trafficking inhibitors on careolin localization
- 4:45 Becky Friend** (Susan Swensen)  
Phylogenetic analysis of subtribe Furaniinae (cucurbitaceae) based on DNA sequences from ITS and trnS and G
- 5:00 Matthew Jones** (Peter Melcher)  
Determining a New Method for Measuring Hydraulic Resistance in Woody Plants

CNS 112

Refreshments served 3:40 p.m. CNS 1<sup>st</sup> floor lobby  
Please bring your own reusable mug for beverages. Reuse, reduce, recycle!