



ITHACA COLLEGE
BIOLOGY DEPARTMENT

Fall 2006

BIOL-30200 Junior Research Symposium



TUESDAY, DECEMBER 12

- 4:00 Laura Pietrosanti** (Kirwin Providence)
“Culturing the unculturable: Development of a model system to propagate soil microbes”
- 4:15 Levi Bromley** (Kirwin Providence)
“Culturing the unculturable--The sequel: A role for plant anthocyanins in supporting growth of soil microbes”
- 4:30 Andrew Mullen** (Kirwin Providence)
“How’d they do that: Bacteria-induced inhibition of proper wound repair”
- 4:45 Mike Salt** (Andy Smith)
“The iron phenomenon: Breaking protein aggregations in molluscan glues”
- 5:00 Dennis Thapa** (Andy Smith)
“The 5’RAce: cDNA sequencing of molluscan glue protein”
- 5:15 Amy Fisher** (Peter Melcher)
“Characterizing xylem wounding and how it affects the measure of hydraulic resistance in maple trees”
- 5:30 Amanda Joy** (Jason Hamilton)
“Insect population and community structure in elevated CO₂ environments”

WEDNESDAY, DECEMBER 13

- 4:00 Molly Trufant** (Bruce Smith)
“Alien vs. Predator: are mites distasteful to larval salamanders and dragonflies?”
- 4:15 Elyse Honikel** (Bruce Smith)
“Go into the light! OR, the influence of direction on efficiency of light traps for catching zooplankton”
- 4:30 Ana Velez** (Marc Servetnick)
“Expression of Dmrt1 in *Xenopus laevis*”
- 4:45 Brittany Silvia** (Andy Smith)
“Effects of Different Molecular Interactions on the Gel Stiffening Ability of Glue Proteins”
- 5:00 Rachel Borst** (Marc Servetnick)
“The Effect of dnFGFR3 on Early Embryonic Development of *Xenopus laevis*”

THURSDAY, DECEMBER 14

- 4:00 Lauren Spitz** (Jason Hamilton)
“Environmental effects of toxic heavy metals on South Hill”
- 4:15 Yasmine Ramadhan** (Peter Melcher)
“Measuring the hydraulic network in sugar maple using a novel approach”
- 4:30 Amber Contrastan** (Jean Hardwick)
“Nitric oxide synthase detection by Western Blot”
- 4:45 Laura Schmalzle** (Marina Caillaud)
“Primer pair design for amplifying microsatellite region in aphid (*Acyrtosiphon pisum*) DNA”
- 5:00 Juliana Evans** (Susan Swensen)
“The utility of the chloroplast rpoB-trnC intergenic spacer for resolving phylogeny of closely related species”
- 5:15 Derek Gabreski** (Lisa Paciulli)
“A comparative study of the differing ecology and human-exploitable resources’ at two Paleocene mastodon sites”

ALL ARE WELCOME!
CNS 112

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