



BIOLOGY DEPARTMENT
Fall 2011
BIOL-30200 Junior Research
Symposium



Tuesday, December 13

- 4:00 Richard Kintzing** ([Jean Hardwick](#))
“Alterations in Expression of Angiotensin II Type 2 Receptor Following Myocardial Interaction in the Guinea Pig”
- 4:15 Ashley Hong** ([Andrew Smith](#))
“A Histological Approach Detecting Calcium and Oxidized Proteins in the Adhesive Epithelial in *Arion subfuscus*”
- 4:30 Rose Scavotto** ([Susan Swensen](#))
“The Effects of Herbaceous Vegetation Type on Soil Microbial Diversity”
- 4:45 Kelsey MacKellar** ([Leann Kanda](#))
“Does Activity Level Affect Home Range”
- 5:00 Adrienne Antonson** ([Bruce Smith](#))
“Blinded by the Light: Do zooplankton orient preferentially to horizontally-polarized light over vertically-polarized light?”
- 5:15 Keyla Tumas** ([Andy Smith](#))
“The Effect of Temperature on the Mechanics of *Arion subfuscus* Glue”

Wednesday, December 14

- 4:00 Britany Straley** ([Marina Caillaud](#))
“Intergenerational Effects of BPA on *C. elegans*”
- 4:15 Abby Finley** ([Bruce Smith](#))
“PCR Probes for Punitive Sex Ratio Distorting Pathogens in the Mite, *Arrenurus manubriator*”
- 4:30 Bonnie Marvin** ([Maki Inada](#))
“Alterations of Gene Expression through Alternative Splicing Coupled to a *mRNA* Degradation Pathway”
- 4:45 Heather Cornell** ([Marina Caillaud](#))
“The Nematode Worm *Caenorhabditis Elegans*: BPA and the Tale of Five Genes”
- 5:00 Brian Hayes** ([Peter Melcher](#))
“Perplexing Pipelines: Taking Plant Hydraulics from the 16th Century to the 21st Century”
- 5:15 Kyle Sinclair** ([Bruce Smith](#))
“Can Eastern Spotted Newts Learn to Discriminate against Eating the Mite *Limnochares americana*”
- 5:30 Victoria Rutigliano** ([Ed Cluett](#))
“Effective Disruptions of Cholesterol Trafficking on Lipid Rafts”

Thursday, December 15

- 4:00 Natasha Petersen** ([Jean Hardwick](#))
“The Effects of Inhibiting the AT₁ Receptor in Cardiac Remodeling Following a Myocardial Infarction in Guinea Pig Models”
- 4:15 Mary Schantz** ([Susan Swensen](#))
“Phylogenetic Reconstruction of Genus *Gurania* Based on rps16-trnQ Chloroplast Intergenic Space Region”
- 4:30 Shannon Ryan** ([Jean Hardwick](#))
“Changes in Synaptic Efficiency in the Guinea Pig Intrinsic Cardiac Plexus: Effects of Acute Myocardial Infarction and Neuromodulators”
- 4:45 Stephanie Hinsvark** ([Ed Cluett](#))
“Cholesterol's favorite CDs: CD44 and CD55 roles as part of the cholesterol trafficking pathway”
- 5:00 Sudie-Ann Robinson** ([Ed Cluett](#))
“Effect on Sphingomyelinase on the Distribution of Caveolin in the Cell”
- 5:15 Dylan O’Leary** ([Leann Kanda](#))
“How Temperament Relates to the Daily Activities of the Eastern Chipmunk”
- 5:30 Fozia Khan** ([Peter Melcher](#))
“A sweet study: Does tapping *Acer saccharum* for maple syrup sap effect plant growth?”

*View the
[photo gallery](#)
on our web.*

CNS 112

Refreshments served 3:45 p.m. CNS 1st floor lobby.

ALL ARE WELCOME!

Please bring your own reusable mug for beverages.