

30th Undergraduate Research Colloquium in Biology

Friday, April 27, 2012
Institute of Materials Science, Room 20
12:00 PM – 5:45 PM

- 12:00 **Erika Norton**. EEB. Intraspecific Variation in Cactus Wren Song. Research Advisor: C. Elphick.
- 12:15 **Michael Secinaro**. MCB. Transport and Regulatory Mechanisms in Cobinamide Salvaging in the Thermotogales. Research Advisor: K. Noll
- 12:30 **Georgia Thomas**. EEB. The Anatomical Basis for Low Wood Density in *Pelargonium*. Research Advisor: C. Jones
- 12:45 **David Fryxell**. BIOL. Salinity Preference of Alaskan Threespine Stickleback: Test for Divergence in Halotaxis between Ancestral and Landlocked Populations. Research Advisor: E. Schultz
- 1:00 **Ben Hoyt**. PNB/MCB. The Effects of KIAA0319 Gene Dysfunction on Cortical Neuron Synapse Maturity in the Developmental Dyslexia Phenotype. Research Advisor: J. LoTurco
- 1:15 **Tiffany Phillips**. BIOL/IMJR. The Role of ATRX on Gonad Development and Mammalian Placentation. Research Advisor: A. Pask
- 1:30 **Kevin Clark**. MCB. Characterizing the Role of DAX1 in Mammalian Gonadal Development. Research Advisor: A. Pask
- 1:45 **Alex Shepack**. EEB. Oviposition Site Choice in Anurans. Research Advisor: M. Urban
- 2:00 **Hien Le**. PNB/CHEM. NaPi-II-Type (SLC34) Transporters are not Present in Adult and Neonate Rat Choroid Plexus Cells. Research Advisor: L. Renfro
- 2:15 **Ryan D'souza**. MCB/BIOL. A Genome-wide Screen to Identify Novel Regulators of Chromosome Segregation in Mitosis. Research Advisor: B. Mellone
- 2:30 **Christopher Lemoine**. PNB. RNA Binding Protein with Multiple Splicing-2 may be Required for Ganglion Cell Differentiation. Research Advisor: R. Kanadia
- 2:45 **James Bernot**. BIOL. *Calliobothrium* in Smooth Hound Sharks of the Genus *Mustelus*: A Case of Coevolution? Research Advisor: J. Caira
- 3:00 **Lynne Goodstein**, Associate Vice Provost for Enrichment Programs and Director of the Honors Program
- 3:15 **Break for Refreshments**
- 3:30 **Joe Funk**. EEB. The Distribution of Garlic Mustard (*Alliaria petiolata*) in its Native and Invasive Ranges. Research Advisor: J. Silander
- 3:45 **Nikisha Patel**. BIOL. Reproductive Biology of *Solanum conocarpum*. Research Advisor: G. Anderson
- 4:00 **Erin Duffy**. MCB. Spectroscopic and Photophysical Analysis of Chloride Ion Pumping Mutants of Bacteriorhodopsin. Research Advisor: R. Birge
- 4:15 **Samip Shah**. BIOL. Fungal Diversity on the Surface of Cheeses. Research Advisor: D. Benson
- 4:30 **Emily Ellis**. BIOL. Phylogeography on a Dynamic Landmass: mtDNA Gene Trees for Five NZ Forest Cicadas. Research Advisor: C. Simon
- 4:45 **Colin Carlson**. EEB/IMJR. Rethinking the Scale of Environmental Tolerance: A New Spatial Modeling Approach to Plasticity and Climate Change. Research Advisor: C. Schlichting
- 5:00 **Matt Gaudio**. BIOL. Exploring the Evolution of the Arthropod Labrum. Research Advisor: E. Jockusch
- 5:15 **Christian Belisario**. BIOL. Elucidating the Role of the Ubiquitin Interacting Motif (UIM) in the *Drosophila melanogaster* protein Cal1. Research Advisor: B. Mellone
- 5:30 **Meaghan Roy-O'Reilly**. MCB. Metallothionein Gene Dose and the Immune Response. Research Advisor: M. Lynes

Interested faculty, students, friends and family are encouraged to attend!