

**DEPARTMENT OF BIOLOGICAL SCIENCES
DEPARTMENT OF HEALTH SCIENCES
EAST TENNESSEE STATE UNIVERSITY**

**SEMINAR Fall 2008
BROWN HALL ROOM 304**

WEDNESDAYS, 4:30 PM (Refreshments 4:15 pm)

- Sep 3 **Jonathan N. Pruitt**, Department of Ecology & Evolutionary Biology, University of Tennessee
Behavioral Syndromes and Their Fitness Consequences in a Socially Polymorphic Spider (*Anelosimus studiosus*)
- Sep 10 **Anne M. Maglia**, Department of Biological Sciences, Missouri University of Science and Technology
Paradigm Shifts in Comparative Morphology: Addressing Long-Standing Problems with Computational Solutions
- Sep 17 **Shandar Ahmad**, National Institute of Biomedical Innovation, Osaka, Japan
Prediction of DNA-Binding Proteins, Their Interface Residues and Binding Free Energy
- Sep 24 **Jun Wen**, Department of Botany, Smithsonian National Museum of Natural History
TBA
- Oct 1 **Alok Agrawal**, Department of Pharmacology, Quillen College of Medicine
C-Reactive Protein in *Streptococcus pneumoniae* Infection
- Oct 8 **Gary Van Nest**, Dynavax Technologies
Manipulating the Immune System: How Modern Technologies Are Creating Better Vaccines and Immunotherapeutics
- Oct 15 **Charles A. Stuart**, Department of Internal Medicine, Quillen College of Medicine
The Impact of a Mutant Brain Glucose Transporter (Glut3) on Mouse Development
- Oct 22 **Shuo Li**, Graduate Student, Biological Sciences
Localization and Expression of Calbindin-D_{28K} in the Extra-Embryonic Membranes of Lizards
- Bonnie Parks**, Graduate Student, Biological Sciences
Construction of a Science Curriculum for the Natural History Museum
- Oct 29 **Bupe Martha Habiyambere**, Graduate Student, Health Sciences
Stress and Mucin Expression in the Stomach and the Intestinal Tract of Mice
- Sneha Abraham**, Graduate Student, Biological Sciences
The Edible Plant Groups of Appalachia: A Scientific, Economic, and Ethnobotanical Study
- Nov 5 **Sarah Allen**, Graduate Student, Health Sciences
Flow Cytometric Analysis of Crayfish Hemocytes
- Prasanna Keerthi Dadi**, Graduate Student, Biological Sciences
Inhibition of the ATPase Activity of *Escherichia coli* ATP Synthase by Polyphenols and Their Derivatives
- Nov 12 **Melanie Pratt**, Graduate Student, Health Sciences
Characterization of a Mutant Strain of *Rhodococcus erythropolis*
- Mallampalli Venkata Krishna Pratap Siddhartha**, Graduate Student, Biological Sciences
Heterologous Expression and Elucidation of Biochemical Function of Two Putative Flavonoid Glucosyltransferase Clones (PGT2 and PGT3) from *Citrus paradisi*
- Nov 19 **Keila Bredehoeft**, Graduate Student, Biological Sciences
Revised Species Status of the Pleistocene Salamander *Cryptobranchus guildayi*
- Hope A. Sheets**, Graduate Student, Biological Sciences
Mio-Pliocene Anurans from the Gray Fossil Site and the Pipe Creek Sinkhole: A Paleocological Comparison
- Dec 3 **Jennifer Cooke**, Graduate Student, Health Sciences
Molecular Mechanism of Ferrisiderophore Transport via the Outer Membrane Receptor FhuA
- Puja Karki**, Graduate Student, Biological Sciences
Differential Expression of Genes During Diapause in the Flesh Fly, *Sarcophaga crassipalpis*