

# **STUDENT RESEARCH PRESENTATIONS**

## **AGRICULTURAL BIOTECHNOLOGY PROGRAM**

### **(ABT 395/399)**

**When: 1:00 PM, Tuesday, December 8, 2009**

**Where: Cameron Williams Lecture Hall – Plant Science Bldg.**

**Welcome and Introduction** (Dr. Jamie Matthews)

**1:00 PM** Molecular Fingerprinting of the Gastrointestinal Microbiota of Foals and Their Dams

**Andrew Durig**

*Mentor: Dr. Laurie Lawrence, Department of Animal and Food Sciences, UK College of Agriculture*

**1:15 PM** Nuclear Targeting of Plant-Adapted Rhabdovirus M Protein in Mammalian Cells

**Jori Stanek**

*Mentor: Dr. Rebecca Dutch, Department of Biochemistry and Molecular Biology, UK College of Medicine*

**1:30 PM** BpaB (*Borrelia burgdorferi* ParB-analogue) Protein Binding

**Sneha Pampati**

*Mentor: Dr. Brian Stevenson, Department of Microbiology, Immunology, and Molecular Genetics, UK College of Medicine*

**1:45 PM** Smoking Cessation Outcomes Among African-American Female Smokers in Response to the Breathe Free for Women Program: Results of a Pilot Study

**Brittaney Obi**

*Mentor: Dr. Anita Fernander, Department of Behavioral Science, UK College of Medicine*

**2 PM BREAK**

**2:15 PM** Molecular Elucidation of Carabid Beetle Foraging Behavior in Alfalfa

**Mark Adams**

*Mentor: Dr. James Harwood, Department of Entomology, UK College of Agriculture*

**2:30 PM** The Evolution of the Heterostylous Breeding System in *Oxalis alpina* Populations from Sonoran Desert

**Greg Joice**

*Mentor: Dr. Olga Tsyusko, Department of Plant and Soil Sciences, UK College of Agriculture*

**2:45 PM** Cloning, Expression and Characterization of Human Group X Secretory Phospholipase A2

**Kayla Talbott**

*Mentors: Drs. Nancy Webb and Preetha Shridas, Department of Internal Medicine, UK College of Medicine*

**3:00 PM** Expression and Localization of Matrix Metalloproteinase 10 (MMP-10) during the Ovarian Cycle

**Lauren McCord**

*Mentor: Dr. Thomas Curry, Jr., Department of Obstetrics and Gynecology, UK College of Medicine*

**STUDENT RESEARCH PRESENTATIONS**  
**AGRICULTURAL BIOTECHNOLOGY PROGRAM**  
**(ABT 395/399)**

**When: 1:00 PM, Thursday, December 10, 2009**

**Where: Cameron Williams Lecture Hall – Plant Science Bldg.**

**Welcome and Introduction** (Dr. Jamie Matthews)

**1:00 PM**

Comparative and Quantitative Genomic Analysis of *Tribolium castaneum* Immune Genes

**Alisondra Maldonado**

*Mentor: Dr. Subba R. Palli, Department of Entomology, UK College of Agriculture*

**1:15 PM** Functional Characterization of Patchoulol Synthase - One Active Site Pocket or Two?

**Satio Husodo**

*Mentor: Dr. Joseph Chappell, Department of Plant and Soil Sciences, UK College of Agriculture*

**1:30 PM** Alterations in Glutamate Neurotransmission in the Striatum 48 Hours after Traumatic Brain Injury

**Emily Cottrell**

*Mentor: Dr. Greg Gerhardt, Department: Anatomy & Neurobiology, UK College of Medicine*

**1:45 PM** Production of Antimicrobial Protein in Algae *Chlorella vulgaris* for Oral Infections

**Lauren Stone**

*Mentor: Dr. Brad Huang, Center for Oral Health, UK College of Medicine*

**2 PM AWARDING** of the Glenn B. Collins Undergraduate Research Achievement Award in Agricultural Biotechnology by Dr. Dan Howe - Atrium of the Plant Science Building

*Hosted by: The Agricultural Biotechnology Program*