

**STUDENT RESEARCH AND INTERNSHIP PRESENTATIONS
AGRICULTURAL AND MEDICAL BIOTECHNOLOGY PROGRAM (ABT 395/399)
Fall 2016**

When: 12:50 pm – 5:30 pm, Tuesday December 6, 2016

Where: Cameron Williams Lecture Hall – Plant Science Bldg

- 12:50 pm** Welcome and Introduction Dr. Dan Howe, ABT 395/399 Course Coordinator
- 1:00 pm** **Chaney Brown** RNA Protection from Cell Nucleases by Nanoparticles.
Mentor: Dr. Bruce Webb, Department of Entomology, UK College of Agriculture, Food and Environment
- 1:15pm** **Ryan Harpole** Molecular Genetics of MS4A6A and Alzheimer's Disease
Mentor: Dr. Steven Estus, Sanders Brown Center on Aging, UK College of Medicine
- 1:30pm** **Michael Yurek** Exploring the Physiochemical Properties of Protein-Protein Interactions
Mentor: Dr. Hunter Moseley, Department of Molecular and Cellular Biochemistry, UK College of Medicine
- 1:45pm** **Katrina Epps** What is the Relationship between Strains of *Colletotrichum acutatum* causing Disease in Plants and in Insects?
Mentor: Dr. Lisa Vaillancourt, Department of Plant Pathology, UK College of Agriculture, Food and Environment
- 2:00 pm** **Allison Polidori** Effects of GADD45 on DNA Methylation and Demethylation in the Brain
Mentor: Dr. Melinda Wilson, Department. of Physiology, UK College of Medicine
- 2:15 pm** **Lesley Wempe** Developing Immunodetection Assays for the N-gene in Sf9v Rhabdovirus
Mentor: Dr. Michael Goodin, Department of Plant Pathology, UK College of Agriculture, Food and Environment
- 2:30 pm** **Evie Beckert** VgDGAT Segregants and Oil Content in Soybeans
Mentor: Dr. David Hildebrand, Department of Plant and Soil Sciences, UK College of Agriculture, Food and Environment
- 2:45 pm** **Break**
- 3:00 pm** **Riku Imanishi** Is there Cross Infection of *Colletotrichum* species in Orchards?
Mentor: Dr. Lisa Vaillancourt, Department of Plant Pathology, UK College of Agriculture, Food and Environment
- 3:15 pm** **Satya Alluri** The Role of Blood-Brain Barrier in Epilepsy
Mentor: Dr. Bjoern Bauer, Department of Pharmaceutical Sciences, UK College of Pharmacy
- 3:30 pm** **Grady Bryant** Immune Response Stimulation by the Trophic Form of the Life Cycle of *Pneumocystis murina*
Mentor: Dr. Beth Garvy, Department of Microbiology, Immunology, and Molecular Genetics, UK College of Medicine
- 3:45 pm** **Ellen Gouws** The Purification of Serum Amyloid A
Mentor: Dr. Maria DeBeer, Department of Physiology, UK College of Medicine
- 4:00 pm** **Cecilia Winfrey** Characterization of Streptothricin Resistance
Mentor: Dr. Steven Van Lanen, Department of Pharmaceutical Sciences, UK College of Pharmacy
- 4:15 pm** **Hunter Thomas** Analysis and Expansion of the Morphological Traits in *Colletotrichum actutum* and *Colletotrichum gleosporioides*
Mentor: Dr. Lisa Vaillancourt, Department of Plant Pathology, UK College of Agriculture, Food and Environment
- 4:30 pm** **Sandhya Paudel** The Use of IgG(T) as a Diagnostic Tool in Foals with *Rhodococcus equi* Pneumonia
Mentor: Dr. David Horohov, Department of Veterinary Science, UK College of Agriculture, Food and Environment
- 4:45 pm** **Heather Gosnell** The Emerging Genetics Workforce: A Study of Physician Geneticists' Professional Lives
Mentor: Dr. Eric Rush, Department of Pediatrics, University of Nebraska Medical Center
- 5:00 pm** Reception and Glenn B. Collins Research Achievement Award in ABT and Alltech Young Scientist Affiliate Nominee