

**STUDENT RESEARCH PRESENTATIONS  
AGRICULTURAL BIOTECHNOLOGY PROGRAM (ABT 395/399)  
SPRING 2016**

**When:** 12:50 pm – 5:00 pm, Tuesday April 26, 2016

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

- 12:50 pm** Welcome and Introduction Dr. Bruce Webb, ABT 395/399 Course Coordinator
- 1:00 pm** **Kristen Krebs** Efficacy of Fenbendazole and Moxidectin with Post-treatment Time Interval in Equines  
Mentor: Dr. Martin K. Nielsen, Department of Veterinary Science, UK College of Agriculture, Food and Environment
- 1:15pm** **Morgan Marion** G3DPH Gene Silencing Effect of SAR in *Glycine max*  
Mentor: Dr. Aardra P. Kachroo, Department of Plant Pathology, UK College of Agriculture, Food and Environment
- 1:30pm** **Meredith Doughty** Anhedonia and Substance Use Disorders: Using the Snaith-Hamilton Pleasure Scale (SCHAPS) to Predict Drug Use  
Mentor: Dr. William Stoops, Department of Behavioral Science, UK College of Medicine
- 1:45pm** **Derian Taylor** The Isolation and Classification of Ruminant Bacteria that Utilize Tryptophan  
Mentor: Dr. Michael Flythe, USDA-ARS Forage Animal Production Research Unit, Lexington KY
- 2:00 pm** **Landon Simpson** Genetic Manipulation of *Sarcocystis neurona* Using the CRISPR/CAS9 System  
Mentor: Dr. Daniel Howe, Department of Veterinary Science, UK College of Agriculture, Food and Environment
- 2:15 pm** **Danielle Garza** Use and Limitation of Bioinformatics Approaches to Characterize Promoter Sequences of the *Helicoverpa zea* Nudivirus 2 Genome  
Mentor: Dr. Bruce Webb, Department of Entomology, UK College of Agriculture, Food and Environment
- 2:30 pm** **Summer Miller** Relationship between Nanoparticles and Genomic Instability in *C. elegans*  
Mentor: Dr. Tsyusko, Department of Plant and Soil Sciences, UK College of Agriculture, Food and Environment
- 2:45 pm** **Break**
- 3:00 pm** **Layne Gaynor** Assessing Kin Selection in the Larvae of *Neodiprion lecontei*  
Mentor: Dr. Catherine Linnen, Department of Biology, UK College of Arts and Sciences
- 3:15 pm** **Kayla Janbakhsh** Nutritional Interventions Among College Students: A Systematic Review into Future Studies  
Mentor: Dr. Keiko Tanaka, Department of Community and Leadership Development, UK College of Agriculture, Food and Environment
- 3:30 pm** **Samuel Potter** Acute and Chronic Effects of Inhibiting mTOR by Rapamycin on Development, Behavior and Physiology in Larval *Drosophila*  
Mentor: Dr. Robin Cooper, Department of Biology, UK College of Arts and Sciences
- 3:45 pm** **Savannah Schlueter** Evaluation of a VMAT2 Selective Inhibitor as a Medication for Methamphetamine Abuse  
Mentor: Dr. Linda Dwoskin, Department of Pharmaceutical Sciences, UK College of Pharmacy
- 4:00 pm** **Ellis Shelley** Robust Genetic Assay for Detection of Perigord Black Truffle (*Tuber melanosporum*) in Kentucky  
Mentor: Dr. Seth DeBolt, Department of Horticulture, UK College of Agriculture, Food and Environment
- 4:15 pm** **Alexandra Lasko** Polyadenylation Site Choice in *Arabidopsis thaliana*  
Mentor: Dr. Arthur Hunt, Department of Plant and Soil Sciences, UK College of Agriculture, Food and Environment
- 4:30 pm** **Austin Howe** Homoharringtonine Identified as Potential Antiviral against Human Metapneumovirus in Vero Cell Cultures  
Mentor: Dr. Rebecca Dutch, Department of Biochemistry, UK College of Medicine
- 4:45 pm** **Reception and Glenn B. Collins Research Achievement Award in ABT and Alltech Young Scientist Affiliate Nominee**