

**FALL 2015 FINAL SCHEDULE
STUDENT RESEARCH PRESENTATIONS (ABT 395/399)
AGRICULTURAL BIOTECHNOLOGY PROGRAM**

When: 2:00 pm – 4:30 pm, Tuesday, December 8, 2015

Where: Cameron Williams Lecture Hall – Plant Science Bldg.

- 2:00 pm** Welcome and Introduction Dr. Dan Howe, ABT Steering Committee Chairman
- 2:15 pm** **Catherine Crawford** Determining the Structure of GIPC3: A Key Contributor to Sensorineural Hearing Loss
Mentor: Dr. Craig Vander Kooi, Department of Biochemistry, UK College of Medicine
- 2:30 pm** **Kelsey Warmbrod** Creation of a Radionuclide Calculator
Mentor: Dr. Cheryl Bast, Oak Ridge National Laboratories
- 2:45pm** **Callie Whorf** Role of Gallactolipids and Associated Genes in Plant Immunity and Systemic Acquired Resistance
Mentor: Dr. Aadra Kachroo, Department of Plant Pathology, UK College of Agriculture, Food and Environment
- 3:00 pm** **Jacob Reynolds** The Effects of Dietary Supplementation of Enzymes and Yeast Cell Derivatives on the Performance, Carcass Yield and Nutrient Digestibility of Broiler Chicks
Mentor: Dr. Tuoying Ao, Department of Poultry Nutrition, Alltech, Nicholasville, KY
- 3:15 pm** **Break**
- 3:30 pm** **Ashley Stevens** Alternative Polyadenylation in *Sacocystis nerona*
Mentor Dr. Arthur Hunt, Department of Plant and Soil Sciences, UK College of Agriculture, Food and Environment
- 3:45 pm** **Jenna Pryzbylowski** Impact of Maternal Exercise during Pregnancy on Offspring Glucose/Metabolism Regulation
Mentor: Dr. Kevin Pearson, Department of Pharmacology and Nutritional Sciences, UK College of Medicine
- 4:00 pm** **Sarah Wells** Humoral Immune Response to Influenza Vaccination of EMS, Equine Metabolic Syndrome and nonEMS Horses
Mentor: Dr. Amanda Adams, Department of Veterinary Science, College of Agriculture, Food and Environment
- 4:15 pm** **British Griffis** Effect of Aphid Origin on Lady Beetle Survival
Mentor: Dr. Jennifer White, Department of Entomology, College of Agriculture, Food and Environment
- 4:30 pm** Glenn B. Collins Research Achievement Award in ABT (session 1)

**FALL 2015 FINAL SCHEDULE
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When: 1:00pm-3:30 pm Thursday, December 10, 2015

Where: Cameron Williams Lecture Hall – Plant Science Bldg.

- 1:00 pm** Introduction Dr. Bruce Webb, ABT 395 Course Coordinator
- 1:15 pm** **Liz Marcinkowski** A Case Study of University Imposed Barriers to the Commercialization of Basic and Translational Science at the University of Kentucky
Mentor: Dr. Nathan Vanderford, Markey Cancer Center, UK College of Medicine
- 1:30 pm** **Courtney Frantom** The Role of WRKY Transcription Factors in the Stress Response of *Epichloe coenophiala* Harboring Tall Fescue
Mentor: Dr. Randy Dinkins, Department of Plant and Soil Sciences, UK College of Agriculture, Food and Environment and USDA-ARS Forage-Animal Production Research Unit, Lexington, KY
- 1:45 pm** **Thaiiesha Beard** Nanoparticle Uptake by Insect Cells and Tissues
Mentor: Dr. Bruce Webb, Dr. Steve Rankin and Dr. Barbara Knutson Departments of Entomology and Chemical and Materials Engineering, UK Colleges of Agriculture, Food and Environment and UK College of Engineering
- 2:00 pm** **Justin Judy** Diversity in the Population of *Colletotrichum sublineola* Affecting Sorghum in the Southeast United States
Mentor: Dr. Lisa Vaillancourt, Department of Plant Pathology, UK College of Agriculture, Food and Environment
- 2:15 pm** **Andrew Gennett** Evaluation of Resistance of Sorghum Bicolor to *Colletotrichum sublineola*
Mentor: Dr. Lisa Vaillancourt, Department of Plant Pathology, UK College of Agriculture, Food and Environment
- 2:30 pm** **Alonna Wright** Viral Superinfection of the Corn Earworm Pest
Mentor: Dr. Kendra Steele, ParaTechs Corp. Lexington, KY
- 2:45 pm** **Alex Bugg** Muscle Phenotype and Functional Performance in Peripheral Artery Disease
Mentor: Dr. Charlotte Peterson, Department of Rehabilitation Sciences, UK College of Health Sciences
- 3:00 pm** **Cameron Wade** DNA Repair Capacity of Lung Cancer Patients
Mentor: Dr. Isabel Mellon, Toxicology and Cancer Biology, UK College of Medicine
- 3:15 pm** Reception and Glenn B. Collins Research Achievement Award (session 2)