

ABT 395/399 Spring 2019 Research and Internship Presentation Schedule
Agricultural and Medical Biotechnology Program
Cameron Williams Lecture Hall, PSB
April 23, 2019

- 9:30am Welcome and Introduction Dr. Aardra Kachroo, ABT 395/399 Course Coordinator
- 9:30am **Josef Zeller** Characterizing the Role of Pipecolic Acid Metabolic Enzymes in Systemic Acquired Immunity
Mentor: Dr. Aardra Kachroo, Department of Plant Pathology, UK College of Agriculture, Food and Environment
- 9:45am **Courtney Hellmann** Does the Form of Selenium in Free-Choice Vitamin-Mineral Mixes Affect Gene Expression by Circulating White Blood Cells of Suckling Beef Calves?
Mentor: Dr. James Matthews, Department of Animal and Food Sciences, UK College of Agriculture, Food and Environment
- 10:00am **Rebecca Hall** Effects of Form of Supplemental Selenium on Steroidogenesis by the Bovine Corpus Luteum
Mentor: Dr. Phillip Bridges, Department of Animal and Food Sciences, UK College of Agriculture, Food and Environment
- 10:15am **Brian Arisman** Differential Expression of Hepatic Glycogen Synthesizing Enzymes in Weanling Pigs
Mentor: Dr. James Matthews, Department of Animal and Food Sciences, UK College of Agriculture, Food and Environment
- 10:30am **Nicole Bacha** Influence of Sex Chromosomes on HFpEF
Mentor: Dr. Sean Thatcher, Department of Pharmacology & Nutritional Sciences/Cardiovascular Research Center, UK College of Medicine
- 10:45am **Carly Ballinger Boone** The Role of Peptidoglycan Receptors in the Response to Bacterial Endotoxin LPS on Body Wall Muscle and Cardiac Function in Larval *Drosophila*
Mentor: Dr. Robin Cooper, Department of Biology, UK College of Arts & Sciences
- 11:00am **Samantha Danyi** Splice-Site Changing Oligonucleotides Targeting the Serotonin 2C may Reduce Spasticity after Spinal Cord Injury
Mentor: Dr. Stefan Stamm, Department of Molecular & Cellular Biochemistry, UK College of Medicine
- 11:15am **Break**
- 11:30am **Holly Grajera** University of Kentucky Salvation Army Clinic Retention and Referral Rates
Mentor: Dr. Andrew Hoellein, Division of Internal Medicine, UK College of Medicine
- 11:45am **Alexyis Edwards** Chemical Analysis of Medicinal Plants
Mentor: Dr. Joseph Chappell, Department of Pharmaceutical Sciences, UK College of Pharmacy
- 12:00-1:00 PM Lunch Break** Lunch provided by the Agricultural and Medical Biotechnology Program
- 1:00pm-3:30pm **Break**
- 3:30pm **John Thomas** Investigating Effects of Light Intensity During Early Seed Development of Physiology and Yield in *Glycine max*
Mentor: Dr. Tomo Kawashima, Department of Plant and Soil Sciences, UK College of Agriculture, Food and Environment
- 3:45pm **Eric Gegg** The Effect of ApoA-1 Liposomal Immunization in LDL Receptor Deficient Mice
Mentor: Dr. Vincent Venditto, Department of Pharmaceutical Sciences, UK College of Pharmacy
- 4:00pm **Giovanna Panepinto** Effect of Protein in the Diet on mTOR and Skeletal Muscle in Mature Thoroughbred Mares
Mentor: Dr. Kristine Urschel, Department of Animal and Food Sciences, UK College of Agriculture, Food and Environment
- 4:15pm **Burke Moore** Dissection of the Worker Termite Brain for 3D Imaging
Mentor: Dr. Xuguo Zhou, Department of Entomology, UK College of Agriculture, Food and Environment