

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

When: 2:15pm – 5:00pm, Thursday, April 25, 2013

Where: Cameron Williams Lecture Hall – Plant Science Bldg.

- 2:15pm** Welcome and Introduction Dr. Bruce Webb, ABT 395/399 Course Coordinator
- 2:15pm** **Julie Robertson** Functional Characterization and Specificity of the Interaction between CDY1 and Methylated vs. Non-methylated Calmodulin
Mentor: Dr. Robert Houtz, Department of Horticulture, UK College of Agriculture, Food and Environment
- 2:30pm** **Raquel Hegge** Alteration of Pituitary Genomic Expression Profiles in Cattle Grazing Endophyte-Infected Tall Fescue
Mentor: Dr. James C. Matthews, Department of Animal and Food Science, UK College of Agriculture, Food and Environment
- 2:45pm** **John Roark** Construction and Localization of Auto-fluorescent PYDV Protein Fusions in *Nicotiana benthamiana*
Mentor: Dr. Michael Goodin, Department of Plant Pathology, UK College of Agriculture, Food and Environment
- 3:00pm** **J. Wes Urian** Alleviating the Deficits from Neonatal Alcohol Exposure in Rats
Mentor: Dr. Susan Barron, Department of Psychology, UK College of Arts & Sciences
- 3:15pm** **Hannah Arvin** The Role of the A and B Subunit Interface in the Structure and Activation of Human Calcineurin
Mentor: Dr. Trevor Creamer, Department of Molecular and Cellular Biochemistry, UK College of Medicine
- 3:30pm** **BREAK**
- 3:45pm** **Julie Lambers** The Influence of the Green Revolution and Breeding on the Rhizosphere Processes in Maize
Mentor: Dr. David McNear, Department of Plant and Soil Sciences, UK College of Agriculture, Food and Environment
- 4:00pm** **Ashley Arlinghaus** Biosynthesis of Aminoglycosides to Circumvent Antibiotic Resistance
Mentor: Dr. Steven Van Lanen, Department of Pharmaceutical Sciences, UK College of Pharmacy
- 4:15pm** **Kristofer Schroder** Analysis of the Lamprey ZhX Protein
Mentor: Dr. Brett Spear, Department of Microbiology, Immunology, & Molecular Genetics, UK College of Medicine
- 4:30pm** **Haley Thompson** Elucidating Differences in Gene Expression of *Epichloë typhina* in Reproductive versus Vegetative Tissues of *Poa nemoralis*
Mentor: Dr. Christopher L. Schardl, Department of Plant Pathology, UK College of Agriculture, Food and Environment
- 4:45pm** **Emily Palma** EbfC Gene Regulation in *Borrelia burgdorferi*
Mentor: Dr. Brian Stevenson, Department of Microbiology, Immunology & Molecular Genetics, UK College of Medicine
- 5:00pm** Reception and awarding of the Glenn B. Collins Undergraduate Research Achievement Award in Agricultural Biotechnology