

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

When: 1:20 – 4:45 PM, Thursday, December 8, 2011

Where: Cameron Williams Lecture Hall – Plant Science Bldg.

1:25 Welcome and Introduction (Dr. Bruce Webb)

1:30 PM Sarah Boden: Investigation of the Cellular Uptake and Cytotoxicity of Paclitaxel Nanocrystals

Mentor: Dr. Tonglei Li, Department of Pharmaceutical Sciences, UK College of Pharmacy

1:45 PM Emerson Dick: Investigation of combinatorial library binding specificity using a high throughput system

Mentor: Dr. Luke Bradley, Department of Anatomy and Neurobiology, UK College of Medicine

2:00 PM Kendall Goffinet: Genetic Basis of Metamorphic Timing: Connections Between gene *Met* and Rate of Embryonic Development in the Axolotl Salamander

Mentor: Dr. Randall Voss, Department of Biology, UK College of Arts and Sciences

2:15 PM Jason Briones: Finding RNA Binding Sites for Protein CSTF77 via Poly-U Binding Assay

Mentor: Dr. Art Hunt, Department of Plant and Soil Sciences, UK College of Agriculture.

2:30 PM Amber Simpson: The Effect of Age on Telomere Length and Telomerase Activity of Horses

Mentor: Dr. David Horohov, Department of Veterinary Sciences, UK College of Agriculture

2:45 PM BREAK

3:00 PM Staci McGill: The Optimization of CDY1 Expression

Mentor: Dr. Robert Houtz, Department of Horticulture, UK College of Agriculture.

3:15 PM Rebecca Hall: Effect of Zinc Form and Level on the mRNA Levels of Zinc Transport Proteins in the Small Intestine of Broilers

Mentor: Kristen Brennan, Alltech Center of Animal Nutrigenomics and Applied Animal Nutrition

3:30 PM Benjamin Peppers: Telomere Hypervariability in *Magnaporthe oryzae*.

Mentor: Dr. Mark Farman, Department of Plant Pathology, UK College of Agriculture

3:45 PM Damon Revelette: Selective Purification of VEGFR Domain 7 Heterodimers using Coiled Coils

Mentor: Dr. Craig Vander Kooi, Department of Biochemistry, UK College of Medicine

4:00 PM Ryan Hamann: Central Nervous System Monitoring; bio-medical signal processing

Mentor: Dr. Ivan Horvath, Department of Anesthesiology, UK College of Medicine

4:15 PM Janet Chappell: The Hidden Half of Crop Domestication

Mentor: Dr. Dave McNear, Department of Plant and Soil Sciences, UK College of Agriculture

4:30 PM **RECEPTION and AWARDING of the Dr. Glenn Collins Undergraduate Research Achievement Award in Agricultural Biotechnology**

Atrium of the Plant Science Building, Hosted by: The Agricultural Biotechnology Program

