

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

Tuesday, April 24, 2007
Cameron Williams Lecture Hall – Plant Science Building

1:00 PM Welcome and Introduction (Dr. Jamie Matthews)

1:00 PM A Retrospective Analysis of Patients with Burning Mouth Disorder

Susanna Goggins

Mentor: Dr. Juan Yepes, UK Department of Diagnostic Radiology

1:15 PM Aggressiveness of 16 Fusarium Graminearum Isolates from Kentucky and Virginia

Megan Dillery

Mentor: Dave Van Sanford, UK Department of Plant and Soil Sciences

1:30 PM Measurement of iNOS in Horses

Cetewayo Rashid

Mentor: Dr. David Horohov, UK Department of Veterinary Science

1:45 PM Plant-specific Peptide Deformylase Inhibitors as Broad-spectrum Herbicides

Elizabeth Moore

Mentor: Dr. Robert Houtz, UK Department of Horticulture

2:00 PM **BREAK**

2:15 PM Proteoglycans in Bovine Aqueous and Vitreous Humors

Aaron McNulty

Mentor: Dr. Michael Fannon, UK Department of Ophthalmology

2:30 PM Quantification of *Neotyphodium* Endophyte-infected and Endophyte-free Tall Fescue Gene Expression by Real-time Analysis

Whitney Waters

Mentor: Dr. Randy Denkins, USDA-ARS, FAPRU, Lexington, KY

2:45 PM Retained Functionality of Dystrophic Laryngeal Muscles

Tracey Adkins

Mentor: Dr. Francisco Andrade, UK Department of Physiology

3:00 PM Acute Effects of Alcohol on Stimulated Driving in Binge and Non-binge Drinkers

Rachel Wallace

Mentor: Dr. Cecile Marczynski, UK Department of Psychology

NOTE: The second session of the ABT 395/399 Student Research Presentations will be held on Thursday, 4-26-07 in the Cameron Williams Auditorium of the Plant Science Building. Afterwards, a reception for students and their mentors (hosted by the Agricultural Biotechnology Committee) will be held, and presentation of The Glenn Collins Undergraduate Research and Presentation Awards made (one for each Session I and II), in the atrium of the Plant Science Building.

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

Thursday, April 26, 2007

Cameron Williams Lecture Hall – Plant Science Building

1:00 PM Welcome and Introduction (Dr. Jamie Matthews)

1:00 PM Hydralazine-mediated Reductions in Blood Pressure do not Ameliorate Angiotensin II-induced Abdominal Aortic Aneurysms in Apolipoprotein E^{-/-} Mice

Sarah Thayer

Mentor: Dr. Lisa Cassis, UK Graduate Center for Nutritional Sciences

1:15 PM The Effect of Phenobarbital on the Pacemaker in the Female Hamster

Kathleen Donoghue

Mentor: Dr. Marilyn Duncan, UK Department of Anatomy and Neurobiology

1:30 PM Nebulette: Characterizing the Interactions of a Small Cardiac Protein with Tropomyosin

Jeremy Bonzo

Mentor: Dr. Carole Moncman, UK Department of Molecular and Cellular Biochemistry

1:45 PM Pre- and Post- Synaptic Actions of Kainate

Devki Bhatt

Mentor: Dr. Robin Cooper, UK Department of Biology

2:00 PM BREAK

2:15 PM Directed Evolution of Myc-type bHLH Transcription Factors

Robert Williams

Mentor: Dr. Ling Yuan, UK Department of Plant and Soil Sciences

2:30 PM Cellular Protein Interactions with the Cytoplasmic Tail of Paramyxovirus Fusion Proteins

Megan Culler

Mentor: Dr. Rebecca Dutch, UK Department of Molecular and Cellular Biochemistry

2:45 PM Genetic Determinations of Aspirin Sensitivity

Ryan Fischer

Mentor: Dr. Suellan Ferraris, UK Department of Surgery

3:00 PM The Effect of a Selective Serotonin Reuptake Inhibitor on Neuropeptide mRNA Expression in the Rat Suprachiasmatic Nucleus

Laura Bragg

Mentor: Dr. Marilyn Duncan, UK Department of Anatomy and Neurobiology

3:15 PM A Biochemical Evaluation of Plating Techniques Used for Reconstructing Mandibular Symphysis/Parasymphysis Fractures

Christopher McDaniel

Mentor: Dr. Richard Haug, UK Department of Oral and Maxillofacial Surgery

3:30 PM RECEPTION and AWARDING of The Glenn Collins Undergraduate Research and Presentation Award – Atrium of the Plant Science Building

Hosted by: The Agricultural Biotechnology Program