

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

Tuesday, December 4, 2007

Cameron Williams Lecture Hall – Plant Science Building

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

1:00 PM Prevalence of Hypodontia: Age Group Comparisons

Courtney Lundin

Mentor: Dr. Cynthia Beeman, UK Department of Orthodontics

1:15 PM Molecular Cloning and Characterization of Equine IL-7 Isoforms

Catherine Schaffer

Mentor: Dr. Frank Cook, UK Department of Veterinary Science

1:30 PM Binding of O⁶ Alkylguanine DNA Alkyltransferase to Short Double Stranded DNAs

Emily Lawson

Mentor: Dr. Michael Fried, UK Department of Molecular and Cellular Biochemistry

1:45 PM The Effect of TNF- α Inhibition Against Brain Inflammation from Systemically Injected LPS

Benjamin Lepage

Mentor: Dr. Guoying Bing, UK Department of Anatomy and Neurobiology

2:00 PM Inhibition of Apoptosis by the *Campoletis sonorensis* Ichnovirus Vankyrin Genes P-vank-1 and I2-vank-3

Krista Whalen

Mentor: Dr. Bruce Webb, UK Department of Entomology

2:15 PM Localization of the Intracellular Bacterium *Listeria monocytogenes* in the Murine Spleen

Taylor Ashley

Mentor: Dr. Sarah D'Orazio, UK Department of Microbiology, Immunology and Molecular Genetics

NOTE: The second session of the ABT 395/399 Student Research Presentations will begin Thursday, December 6 at 1 PM 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 each for Sessions I and II), in the atrium of the Plant Science Building.

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

Thursday, December 6, 2007

Cameron Williams Lecture Hall – Plant Science Building

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

1:00 PM Expression of *Campolepis sonorensis* Ichnovirus *Vankyrin* Genes in Mammalian Cells

Cara Working

Mentor: Dr. Bruce Webb, UK Department of Entomology

1:15 PM The Use of Doppler Ultrasonography to Detect Vasoconstriction Associated with Equine Endophyte-infected Fescue Consumption

Elizabeth Moore

Mentor: Dr. Karen McDowell, UK Department of Veterinary Science

1:30 PM Developing Hairy Roots of Kentucky Native Aquatic Plant Species via *Agrobacterium rhizogenes*

Shawn Baird

Mentor: Dr. James Littleton UK Department of Molecular & Biomedical Pharmacology

1:45 PM Characterization of a *Sarcocystis neurona* Surface Antigen (SnSAG5)

Carolyn Crowder

Mentor: Dr. Daniel Howe, UK Department of Veterinary Science

2:00 PM Fatty Acid Regulation of Components of the Renin-Angiotensin System in Adipose Tissue

Annie Nicole Nsafoah

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

2:15 PM **BREAK**

2:30 PM The Role of Cytokines in Graft-Versus-Host-Disease

Patrick Craft

Mentor: Dr. Scott Bryson, UK Department of Hematology Oncology

2:45 PM Furin Cleavage Site Deletion in Notch1 and its Effects on Embryonic Development in Mice

Cara Childers

Mentors: Dr. Joseph Chappell and Dr. Geraldine Weinmaster, UK Departments of Plant and Soil Sciences and Biological Chemistry

3:00 PM Temperature Dependent Denaturation of Teleomeric DNA

Whitney Tackett

Mentor: Dr. Michael Fried, UK Department of Biochemistry

3:15 PM An Analysis of microRNA Expression in Tomato Plant Organs and Stages of Fruit Development

Ben Willcutt

Mentor: Dr. Guiliang Tang, UK Department of Plant and Soil Sciences

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