Agriculture Biotechnology Student Research Presentations Thursday, April 29

Thursday, April 29 Cameron Williams Lecture Hall - Plant Science Building

1:00pm	The Screening and Cloning of a P450 Tobacco Demethylase cDNA for its Insertion into Nicotiana tabacum Ms. Madeline Bush Research Mentors - Dr. Balazs Siminszky and Lily Gavilano, UK Department of Agronomy, in affiliation with NCSU
1:15	Effect of Microinjection of a cAMP Analog into the Dorsal Raphe Nucleus (DRN) of the Hamster Brain on Circadian Rhythms Mr. Jordan Welte <i>Research Mentor – Dr. Marilyn Duncan, UK Department of Anatomy and Neurobiology</i>
1:30	Functional Analysis of Deletion Mutants of Herpes Simplex Virus Type 1 Glycoprotein L Ms. Krista Stoops Research Mentor – Dr. Robert Geraghty, UK Department of Microbiology, Immunology, and Molecular Genetics
1:45	Role of Soluble Proteins in the Immunogenicity of <i>Sarcocystis neurona</i> in Horses Ms. Molly Mesko <i>Research Mentor - Dr. Daniel Howe, UK Department of Veterinary Sciences</i>
2:00	Localization of Receptors and Proteins in Cardiac Myocytes Mr. Jeremy Luckett <i>Research Mentor - Dr. Robert Lasley, UK Department of Surgery</i>
2:15	Casein Zymogram Use as an Indicator of Calpain Activity <i>In Vivo</i> Mr. Matthew Bacon <i>Research Mentor – Dr. Rodney Guttman, UK Department of Physiology</i>
2:30	Functional Characterization of SET domain protein ^e N –methyltransferases Ms. Elizabeth Megan Flynn <i>Research Mentors - Dr. Robert L. Houtz and Dr. Lynnette Dirk, UK Department of Horticulture</i>
2:45	Genetic Studies in Yeast Splicing Ms. Colleen Stoeppel <i>Research Mentor - Dr. Brian C. Rymond, UK Department of Biology</i>
3:00	Investigation of the Effects of Steroid Hormones on Axon Branching Frequencies Mr. Nicholas Godby <i>Research Mentor – Dr. Philip Bonner, UK Department of Biology</i>
3:15	Sphingolipid Metabolism in Yeast Mr. Tommy McKechnie Research Mentor - Dr. David Watt, UK College of Medicine

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1:00pm	Pre-Treatment of Intestinal Epithelial Cells with TNF Enhances LPS-Induced Up-Regulation of the Polymeric Immunoglobulin Receptor Mr. Matthew Eaton <i>Research Mentor – Dr. Charlotte S. Kaetzel, UK Department of Microbiology, Immunology,</i> <i>and Molecular Genetics</i>
1:15	Transient Expression Studies on the Functioning of Internal Ribosome Entry Site (IRES) in Plant Protoplasts Ms. Jessica Menk-Pennington <i>Research mentor – Dr. Venkata S. Tavva, UK Department of Agronomy</i>
1:30	Indirect ELISA Detection and Quantification of <i>Arabidopsis thaliana</i> DEF1 and DEF2 in Transgenic Tobacco Ms. Rachael Brightwell <i>Research Mentors – Dr. Robert L. Houtz & Ms. Heather Conn, UK Department of Horticulture</i>
1:45	Kinetic Characterization of a Human SET 7/9 Histone Mono-methyltransferase Mutant that Catalyzes Dimethyllysine Formation Ms. Beth Milliner <i>Research Mentors – Dr. Robert L. Houtz and Dr. Lynnette Dirk, UK Department of Horticulture</i>
2:00	Identification of Gene Expression in the Apex of Rat Ovarian Follicles Mr. Johnny Morehouse <i>Research Mentor - Dr. T. E. Curry, UK College of Medicine, OB-GYN</i>
2:15	Uptake of Aluminum Citrate and Aluminum Maltolate into Cells Modeling the Human Intestine Mr. Charles Frederick Closson <i>Research Mentor – Dr. Robert Yokel, UK College of Pharmacy</i>
2:30	Genetic Polymorphisms in GSTT1 and GSTM1 and Possible Links to Late-onset Alzheimer's Disease (LOAD) Mr. Casey Brantley <i>Research Mentor – Dr. Steve Estus, UK Sanders-Brown Center on Aging</i>
2:45	The Identification of Common and Unique Protein Binding Partners of Talin-1 and Talin-2 Mr. Joshua Johnson <i>Research Mentor - Dr. Richard McCann, UK College of Medicine, Department of Biochemistry</i>
3:00	Isolation of Cold Temperature Germinating Mutants of <i>Arabidopsis thaliana</i> Mr. Louai Salaita <i>Research Mentor - Dr. Bruce Downie, UK Department of Horticulture</i>