Thursday, April 27, 2006: Opening Session 4:00 p.m. (Dow 226)
Dr. Ulrich Mueller - Section of Integrative Biology
University of Texas at Austin
“The Evolution of Agriculture in Insects”
Reception Following

Friday, April 28, 2006: Lecture Session 4:00-6:00 p.m. (Dow 226)

4:00-4:20 Clara Lampli
Habitat Effects on Nocturnal Swimming Behavior in Juvenile Northern Rock Sole

4:20-4:40 Kelsey Johnson
Use of Continuous Culture to Model the Establishment of Bacterial Vaginosis

4:40-5:00 Tamar Dexheimer
An Assessment of Water Health in The Western Basin of Lake Erie and the Detroit River Through a Survey of Aquatic Macroinvertebrate Bioindicators

5:00-5:20 Nathaniel Krefman
Targeting Anti-HIV-1 Peptide T20 to Membrane Raft Domains May Not Improve Proposed Gene-Therapeutic Strategy

5:20-5:40 Tess Killpack
A Change of Heart in Birds: Cardiac Response to the Onset of Endothermy

5:40-6:00 Brock Selbo
Physiological Response of Chicken Hatchlings to Cold-stress

Friday, April 28, 2006: Poster Session 7:30-8:45 p.m. (Dow Third Floor)

Danielle Anstett
Determination of Telomeric Protein Interaction Binding Sites Between Amino Acids 58-268 of TRF1 and 224-276 of TIN2 and Between Amino Acids 42-246 of TRF2 and 203-361 of TIN2

Chelsea Cunliffe
The Amino Acid Specificity of the N-terminus of pro-sigma’ Required for Processing by the Metalloprotease SpoIVFB in Sporulating Bacillus subtilis

Scott Crowley
Sulfur Coupled Dissimilatory Nitrate Reduction to Ammonium in Anaerobic Freshwater Sediments

Michael Glista
Efficacy of NPI in the Rescue of γ-Secretase Activity Following Knockdown with RNAi Treatment

Anne Hollandsworth
Targeted Gene Disruption by Homologous Recombination in the Oral Spirochete Treponema denticola ATCC 35405

Peter Jorth
MAP Kinase Inhibition Prevents Induction of IL-6 and TNF-alpha by Porin B of Neisseria meningitidis in Murine Macrophages

Nicole Nickson
Adsorption of Copper and Lead onto the Bacteria Shewanella putrefaciens: A Bioremediation Perspective

Stan Peplinski
Development of an Assay to Detect Toxicity Using a Fluorescent Probe as an Indicator of Metabolic Activation by the Enzyme Cytochrome P450

Fiorella Pimentel
From Large to Small to Large: Phylogenetic Systematics of Rotulid “Sand Dollars” and Their Tiny Relatives

Ashley Rohde
Host Plant and Natural Enemy Influences on Survivorship in the Milkweed Leaf Miner Liriomyza asclepiadis

Sarah Seehaver
Zea mays L. Root Proliferation Across a Nitrogen Fertilizer Gradient

Giles Smith
An Examination of Nutrient Components of Athletes: Maximizing Performance

Joseph Waller
Invertebrate Diversity in Old-Field Sites in Southwest Michigan: Assessment of Indicator Taxa and Examination of Ecological Correlates of Diversity

Christine Zakar
Analysis of Treatments for Severe Spinal Cord Injury; Directly Comparing the Use of Adult Stem Cells from Olfactory Mucosa and Bone Marrow
Saturday, April 29, 2006: Lecture Session: 10:00 a.m.–2:00 p.m. (Dow 226)

10:00-10:20 Coffee and Doughnuts

10:20-10:40 Bradford Berndt The Role of Dendritic Cells in the Pathogenesis of Ulcerative Colitis
10:40-11:00 Ben Connor Barrie The Effects of Recruitment Limitation and Habitat Factors in Determining the Distribution of Species Abundances in a Great Lakes Shoreline Plant Community

11:00-11:20 Rob Morrison An Ethical Approach for Biology: Towards a Caring Biology
11:20-11:40 Julia Littell A Critical Analysis of Equine Sperm Capacitation Media and its Components

11:40-12:00 LUNCH BREAK

12:20-12:40 Dana Szombati Cloning the flp-1 and flp-2 Genes of *Actinobacillus pleuropnemoniae* into Plasmid vector, pKB11; Significance to Biofilm Formation

12:40-1:00 Daniel Blustein A Filmic Exploration of Voids

1:00-1:20 Stacey Steep Attraction of Bait and Insecticide Formulations to *Rhagoletis mendax* (Diptera: Tephritidae) Flies: Behavioral Observations Under Laboratory and Field Conditions

1:20-1:40 Michael Johnson Examination of Fossilized Turtle Remains from the Early Cretaceous (Albian) Willow Tank Formation, Clark County, Nevada

6:00 p.m. Banquet