

Kalamazoo College Biology Department

2006 Diebold Symposium

Schedule of Events

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	<u>Clara Lampi</u>	Habitat Effects on Nocturnal Swimming Behavior in Juvenile Northern Rock Sole
4:20-4:40	<u>Kelsey Johnson</u>	Use of Continuous Culture to Model the Establishment of Bacterial Vaginosis
4:40-5:00	<u>Tamar Dexheimer</u>	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	<u>Nathaniel Krefman</u>	Targeting Anti-HIV-1 Peptide T20 to Membrane Raft Domains May Not Improve Proposed Gene-Therapeutic Strategy
5:20-5:40	<u>Tess Killpack</u>	A Change of Heart in Birds: Cardiac Response to the Onset of Endothermy
5:40-6:00	<u>Brock Selbo</u>	Physiological Response of Chicken Hatchlings to Cold-stress

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

<u>Danielle Anstett</u>	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
<u>Chelsea Cunliffe</u>	The Amino Acid Specificity of the N-terminus of pro-sigma ^k Required for Processing by the Metalloprotease SpoIVFB in Sporulating <i>Bacillus subtilis</i>
<u>Scott Crowley</u>	Sulfur Coupled Dissimilatory Nitrate Reduction to Ammonium in Anaerobic Freshwater Sediments
<u>Michael Glista</u>	Efficacy of NP1 in the Rescue of γ -Secretase Activity Following Knockdown with RNAi Treatment
<u>Anne Hollandsworth</u>	Targeted Gene Disruption by Homologous Recombination in the Oral Spirochete <i>Treponema denticola</i> ATCC 35405
<u>Peter Jorth</u>	MAP Kinase Inhibition Prevents Induction of IL-6 and TNF-alpha by Porin B of <i>Neisseria meningitidis</i> in Murine Macrophages
<u>Nicole Nickson</u>	Adsorption of Copper and Lead onto the Bacteria <i>Shewanella putrefaciens</i> : A Bioremediation Perspective
<u>Stan Peplinski</u>	Development of an Assay to Detect Toxicity Using a Fluorescent Probe as an Indicator of Metabolic Activation by the Enzyme Cytochrome P450
<u>Fiorella Pimentel</u>	From Large to Small to Large: Phylogenetic Systematics of Rotulid “Sand Dollars” and Their Tiny Relatives
<u>Ashley Rohde</u>	Host Plant and Natural Enemy Influences on Survivorship in the Milkweed Leaf Miner <i>Liriomyza asclepiadis</i>
<u>Sarah Seehaver</u>	<i>Zea mays</i> L. Root Proliferation Across a Nitrogen Fertilizer Gradient
<u>Giles Smith</u>	An Examination of Nutrient Components of Athletes: Maximizing Performance
<u>Joseph Waller</u>	Invertebrate Diversity in Old-Field Sites in Southwest Michigan: Assessment of Indicator Taxa and Examination of Ecological Correlates of Diversity
<u>Christine Zakar</u>	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

11:40-12:20 LUNCH BREAK

12:20-12:40 Dana Szombati Cloning the flp-1 and flp-2 Genes of *Actinobacillus pleuropneumoniae* 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