Schedule of Events

Thursday, April 29, 2010: Opening Session 4:00 p.m. (Dow 226)
Professor Roberto Kolter
Harvard Medical School; Department of Microbiology and Molecular Genetics
“Instruction Manual for the Assembly and Disassembly of a Biofilm"
Reception Following

Friday, April 30, 2010

Lecture Session 4:00-6:00 p.m. (Dow 226)

4:00-4:20 Barret Myers
Inhibition of ER-Stress Associated Caspase-12 Rescues Cultured Cells from Ethanol Toxicity

4:20-4:40 Nicholas Robell
Diagnostic Tool for Diabetic Neuropathy: Investigation of Mitochondrial Dynamics of Intraepidermal Nerve Fibers in Diabetic Mice

4:40-5:00 Margaux Forsch
Ocean Acidification Affects Larval and Juvenile Growth in the Olympia Oyster, Ostrea lurida

5:00-5:20 Emily Kuehn
Effects of Nectar Robbing on Pollen Deposition and Hummingbird-Pollinator Behavior in Scarlet Gilia, Ipomopsis aggregata

5:20-5:40 Paige Howell
Co-localization of Myelin and Microglial-like Cells in Cerebellar Tissue of Multiple System Atrophy Patients

Poster Session 7:00-8:15 p.m. (Dow Third Floor)

David Bandy
Mutations in the Hox6 Paralogous Group do not Affect Diaphragm Development in Mice

Alicia Blessing
Profiling the Expression of SGLT1 in Prostate Cancer

Paul Ellis
Effects of High Tech Swim Suits on Time Improvement

Kayla Emcott
Primary Culture of Pancreatic Acinar Cells in a 3-D Collagen Matrix

Zach Geiger
The Triple Bottom Line: A Study of Waste Management/Recycling, Water and Transportation in the City of Kalamazoo

Anna Hassan
Relative Quantification of Interleukin-6 Gene Expression in Tissues of Mice Treated with Lipopolysaccharide Using Real Time PCR

Dustin Hennigar
A Test of the Incongruence Hypothesis Using Altered Dominance Displays in the European Paper Wasp Polistes Diminulus

Joseph Kilmer
A Comparison of Two Necturus Maculosus Populations in Northeastern Ohio Prior to Lampricide Treatment

Nathan Kopydlowski
Characterization of Human Anterosuperior Acetabular Depression in Correlation with Labral Tears

Poster Session 8:15-9:30 p.m. (Dow Third Floor)

Neil Matthews-Pennanen
Effects of Water Availability on Two Cytotypes of Switchgrass (Panicum virgatum), a Potential Biofuel Crop

Sarah Michayluk
Alien Invasion: Invasive Insect Species of the Midwest

Ann Schimon
Assessing Ecosystem Dynamics Amongst Zooplankton, Phytoplankton and Jellyfish (Mastigias) in Meromictic Marine Lakes

Alejandra Sebastiani
The Complex Interplay between AHNAK1 and Calcium During Early Stages of Adipogenesis in 3T3-L1 Cells

Sarah Small
Peh-chaan (n.): Identity

Rachael Wilsmann
Arthropod Diversity in Corn and Mixed Prairie Biofuel Crops

Elliott Wolfson
A Heterologous Screen of the Neisseria gonorrhoeae Genetic Library and its Effects on the Expression of the Gene of Unknown Function, NG1684

Brianne Wood
Identification of Pennsylvanian Highlands Plants

Saturday, May 1, 2010

Lecture Session: 8:30 a.m.–1:40 p.m. (Dow 226)

8:30-9:00 Coffee and Doughnuts

9:00-9:20 Chelsea Blow
Ghrelin Reduces S100B in Brain Tissue and Tumor Necrosis Factor-α in Intestinal Tissue of Mice after Traumatic Brain Injury

9:20-9:40 Anja Burk
Regulation of the RaGAP Complex by the 14-3-3 Protein in Adipocytes

9:40-10:00 Carolyn Walsh
The Role of Ligation in the Detection of Human Mammmaglobin mRNA

10:00-10:20 Samantha Shaw
Where are Athersclerosis and Hypertension Hiding? Location and Function of Indoleamine 2,3- dioxygenase in Vascular Tissue

10:20-10:40 Break

10:40-11:00 Nicholas Helmstetter
Antimicrobial Effects of Silver and Gold Nanoparticles Alone, and Functionalized with Ampicillin

11:00-11:20 Sarah Thomasma
Optimization of Forensic Collection Techniques for Touch DNA from Fingerprints using Various Swabbing Solutions

11:20-11:40 Sindhu Rathnayake
From Olfactory Bulb to Higher Brain Centers: Topography within Secondary Olfactory Pathways in Mice

11:40-12:00 Jessica Priebe
Behavioral Effects of Adenosine

12:00-12:40 Lunch Break

12:40-1:00 Sapna Sharma
Effects of Cannabinoids on HIV-1 Tat Protein Induction of Antibody Production in Mouse Splenocytes

1:00-1:20 Zachary Smith
On the Spatial Distribution of Cirsium pitcheri and Centaurea maculosa on a Lake Michigan Shoreline

1:20-1:40 Komal Chughtai
Evaluating Chemoradiation Treatment Response of Glioblastoma Multiforme Brain Tumor Using a Transgenic Mouse Model

6:30 p.m. Banquet