

## Schedule of Events

### Thursday, April 30, 2009: Opening Session 4:00 p.m. (Dow 226)

Dr. Daniel Dennett

Tufts University; Austin B. Fletcher Professor of Philosophy

“The Evolution of Words and Other Memes”

**Reception Following**

### Friday, May 1, 2009

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

4:00-4:20	<a href="#">Elizabeth Chenoweth</a>	Production of Antimicrobial Peptides by Human Uterine Epithelial Cells and Their Regulation by Prostaglandin E <sub>2</sub>
4:20-4:40	<a href="#">Jansi Maganti</a>	The Effects of Apc on Wnt Signaling in the Dorsal Telencephalon of <i>Mus musculus</i>
4:40-5:00	<a href="#">James Nast</a>	Induction of Microglial Anandamide-Metabolizing Cytochrome P450S Leading to the Formation of a Cannabinoid Receptor 2 Agonist with Increased Biostability
5:00-5:20	<a href="#">Amel Omari</a>	Localization of HA Epitope Tagged Variants of Bovine Papillomavirus-1 E5
5:20-5:40	<a href="#">Matt Goulet</a>	The Sausage Company and Me
5:40-6:00	<a href="#">Joshua Wahlstrom</a>	Ataxin-3 and Huntingtin Induced Endoplasmic Reticulum Stress and Cell Death are Ameliorated by Overexpression of Stanniocalcin 2

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

<a href="#">Sarah Arnosky</a>	Native Bee Diversity of Pierce Cedar Creek Institute in Southwest Michigan
<a href="#">Keenan Bailey</a>	Temperature-Sensitive Suppressors of YOPT in Mutant <i>Saccharomyces cerevisiae</i>
<a href="#">Russell Becker</a>	β-Glycyrrhetic Acid Alters Phosphorylation of the Gap Junction Protein Connexin-43 in Enterocyte-like Cells
<a href="#">Kaya Beery</a>	Protecting the Environment Through Environmental Education
<a href="#">Erik Bianchi</a>	<i>In Vitro</i> Effects of (-)-Epigallo-3-Catechin Gallate on Induced Inflammation Response in Human Gingival Fibroblasts and EpiGingival™ Tissue Models
<a href="#">Alanna Callendrello</a>	Transposon Mutagenesis of <i>Serratia marcescens</i> Strain SCBI, a Nematode Symbiont that Enables Insect Killing
<a href="#">Amber Cussen</a>	The Effects of Extracellular ATP on Neurotrophic Factors
<a href="#">Robert Dekker</a>	A Novel <i>EMX</i> Gene in <i>Petromyzon marinus</i> Offers Insight Into the Timing Consequences of Gene Duplication in the Chordate Lineage
<a href="#">Robert Duszynski</a>	Chemical Mutagenesis of <i>UNC-82</i> and Other Muscle-Affecting Genes in <i>Caenorhabditis elegans</i>
<a href="#">Katherine Ellis</a>	Effects of Landscape Structure, Habitat Type and Flower Density on Bee Abundance within the Chicago Wilderness Region
<a href="#">Kendra Garchow</a>	Nesting Preferences of Stem Nesting Bees in Southwest Michigan Agricultural Fields
<a href="#">Sonja Grinfeld</a>	Isolation of Temperature-Sensitive Tanapox mutants
<a href="#">Kevin Groth</a>	Late-Stage Chicken ( <i>Gallus domesticus</i> ) Embryo Growth Patterns and Albumen Consumption
<a href="#">Daniel Hulbert</a>	Impact of Precipitation and Aging on the Performance of Insecticides to Control the Japanese Beetle <i>Popillia japonica</i> , on Grape Leaves

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

<a href="#">Richard Javier</a>	Growth Rates of Multiple Strains of <i>Microcystis aeruginosa</i> across a Nutrient Gradient
<a href="#">Matthew Jones</a>	Why the Book was Better: Adaptation of Fiction in Three Media
<a href="#">Jaideep Karamchandani</a>	DC-SIGN Carbohydrate Recognition Domain (CRD) Determinants Responsible for HIV-1 Binding
<a href="#">Jenica Lee</a>	The Social Organization and Potential Mating Bonds Observed in a Captive Non-Breeding Flock of Caribbean Flamingos ( <i>Phoenicopterus ruber ruber</i> )
<a href="#">Madoka McAllister</a>	The Effects of Dominant Plant Species' Densities on the Invasibility and Diversity of a Prairie Grassland
<a href="#">Jesse Plummer</a>	Genetic Modifiers to Thrombosis
<a href="#">Laura Podzikowski</a>	Linking Nitrogen and Phosphorus Uptake in a Stream to Metabolism, Ecosystem Structure, and Substrata Type
<a href="#">Thomas Riegel</a>	Projecting Habitat for Native Species within Binder Park Zoo's "Swamp Adventure" and Surrounding Wetlands
<a href="#">Joshua Rinaldi</a>	How Chiropractic Treatments Can Improve Athletic Performance
<a href="#">Ethan Rosenblatt</a>	An Exploration of Potential Tonic ATP Release Pathways from the Olfactory Epithelium of Mice
<a href="#">Gabriella Rubino</a>	Cloning and Characterizing the MHC DRB exon ii of the Big Brown Bat ( <i>Eptesicus fuscus</i> )
<a href="#">Joslyn Westphal</a>	Effects of Acute Exposure to Titanium Dioxide on Pulmonary Endothelial Function
<a href="#">Justine Zingsheim</a>	Effects of Phytase Supplementation on Protein Digestibility in Horses at Maintenance

**Saturday, May 2, 2009**

**Lecture Session: 8:30-1:20 p.m. (Dow 226)**

8:30-9:00	COFFEE & DOUGHNUTS	
9:00-9:20	<u>Zachery Denkins</u>	Multi-Electron Transfer Systems: Characterization of 9,11,20,22-Tetraaza-Tetrapyridopentacene Reactions with Small Molecule Pollutants
9:20-9:40	<u>Matthew Gumbleton</u>	Determining the Genetic Basis of Chronic Mucocutaneous Candidiasis in Humans
9:40-10:00	<u>Stephanie Jones</u>	Effects of Short-Term Aerobic Exercise on Single Muscle Fibers of Older Women
10:00-10:20	<u>Thomas Nelson</u>	Effects of Egg Size, Egg Composition, and Nutrient Usage on Phenotypes of Hatching Alligators
10:20-10:40	BREAK	
10:40-11:00	<u>Mithil Pandhi</u>	Epigenetic Silencing of a MicroRNA Involves DNA-Methyltransferase Recruitment by the Polycomb Group Protein EZH2 and Promotes an Aggressive Cancer Phenotype
11:00-11:20	<u>Kristin Pylman</u>	Corticosterone as an Indicator of Stress During Estrus and Pregnancy in Captive Sea Otters ( <i>Enhydra lutris</i> )
11:20-11:40	<u>Joseph Warner</u>	Forgiveness in the Catholic Church
11:40-12:20	LUNCH BREAK	
12:20-12:40	<u>Rossi N. White</u>	Effects of Anti-Cancer Agents on the Growth of Human Colorectal Cancer Cells Xenograft in Nude Mice
12:40-1:00	<u>Lauren Kroll</u>	Traumatic Brain Injury Causes Increased Gut Permeability by Attenuation of the Tight Junction Proteins Zonula Occludens Protein-1 and Occludin
1:00-1:20	<u>Leah Blazek</u>	Instinct Versus Learning in the Development of a Species-Specific Caterpillar-Ant Symbiosis
6:00 p.m.	Banquet	