

KALAMAZOO COLLEGE

Biology Department

***Diebold Symposium***

**Schedule of Events**

Thursday, 27 April 2000

**Opening Session, Dow 226, 4:00 p.m.**

4:00 Guest Speaker: Dr. Paul Ewald, Professor of Biology, Amherst College, Amherst, MA.  
"The Evolution of Infectious Disease"

**Reception following**

Friday, 28 April 2000

**Lecture Session, Dow 226, 4:00 – 7:00 p.m.**

4:00 - 4:30	<u>Adam Neidert</u>	The Dlx Gene Family and Vertebrate Evolution: Insights from Lampreys
4:30 - 5:00	<u>Gillian Hooker</u>	The Identification of Downstream Targets of the Cell Integrity Pathway by Oligonucleotide Microarray Analysis
5:00 - 5:30	<u>Emily Ebenhoe</u>	Location of the Repressor Site of the Rat Hepatic Hydroxysteroid Sulfotransferase (SULT2-40/41)
5:30 - 6:00	<u>Kenneth Bark</u>	Polymorphism Determination of Mutations Found in the Human Reduced Folate Carrier Gene
6:00 - 6:30	<u>Laura Maxson</u>	Genetic Divergence Inferred From Nested Phylogenetic Analysis of the Green Salamander, <i>Aneides aeneus</i>
6:30 - 7:00	<u>MaryMargaret Belchak</u>	Variation in the Olfactory Receptor Gene, <i>FATII</i> : Allele Frequencies and Linkage Disequilibrium with HLA Loci in the Hutterites

**Poster Session, Dow Science Center Third Floor, 7:30 – 10:00 p.m.**

<u>Daniel Appledorn</u>	Sulforaphane and Oxomate: Inhibitors of TPA induced Nitric Oxide Synthase (iNOS), Cyclooxygenase 2 (COX-2) and Oxidative Stress in Murine Macrophage and Skin Models
<u>Markus Boos</u>	Natural Killer Cell Cytotoxicity is Dependent Upon the MAP Kinases p38 and ERK
<u>Colleen Boylan</u>	Monitoring Population Levels of Two Purple Loosestrife-Eating Beetles, <i>Galerucella californiensis</i> and <i>G. pusilla</i> , at Pointe Mouillee State Game Area
<u>Allison Brown</u>	The Effects of Selective Logging on the Allochthonous Plant Litter in Low-Order Upper Michigan Streams
<u>Nicholas Brown*</u>	Working Memory Deficits in Schizophrenia and Strategy for Remediation
<u>Molly Caldwell-McMillan</u>	Identification and Characterization of <i>SMT4Δ</i> High-Copy Suppressors in <i>Saccharomyces cerevisiae</i>
<u>Amanda Crumbaugh</u>	The Role of Poly-(R)-3-Hydroxybutyrate in Ribosomal Structure and Function
<u>Robert Feigal-Stickles*</u>	Into the Woods: The Effects of Wilderness-Based Programs on Adolescent Small Group Development
<u>Danica Harmon</u>	A Background Study to Phytolith Analysis of Herbivorous Dinosaur Teeth: A Floral Reconstruction of Seven Excavation Sites in Western North America
<u>Lisa Herron</u>	Phosphorylating Activity of the Alzheimer's Disease-Associated Kinase Cdk5 is Selectively Inhibited <i>in vitro</i>
<u>Rebecca Hodkinson</u>	Effect of FYN3 and PP2, Inhibitors of Fyn, on Proliferation and Morphology of Neuroblastoma Cells
<u>Zivit Javetz</u>	Expression of HPV L1 and L2 Capsid Proteins in Insect Cells and Assembly of HPV Capsids
<u>Maureen Kilcoyne</u>	An Analysis of Reciprocal Altruism in the Allogrooming Behavior of Ringtailed Lemurs
<u>Kristen Kobayashi</u>	An Objective Evaluation of Nonhuman Primate Same-Sex Pair Housing as an Environmental Enrichment Technique in a Biomedical Research Facility
<u>Andrea Koch*</u>	Experimental Self: A Series of Self Portraits
<u>Amy Latham</u>	The Proteolipid Protein and its Possible Role in the Pathology of Multiple Sclerosis
<u>Andrew MacTavish*</u>	Planning for Retirement: A General Overview
<u>Benjamin McMakin*</u>	Summer Internship With the Sales and Marketing Department of Pharmacia & Upjohn's Market Company Japan
<u>Susan Nelson</u>	The Impact of High Temperature and Precipitation on Genetic Retrogression South of the Hybrid Zone in <i>Papilio canadensis</i> Butterflies
<u>Annalee Slingerland*</u>	Proximal Femoral Focal Deficiency and the Ilizarov Technique
<u>Amanda Solem</u>	Intercellular Adhesion Molecule-2 (ICAM-2) Expression in the Mouse Eye
<u>Benjamin Stroh</u>	Optimization of a Protein Binding Assay for Cyclic AMP to Study the Function of Melatonin Receptors
<u>Lacey Von Deak*</u>	Reasons for Small Business Failure with Focus on Estate Tax Planning: The Business Plan as the Key to Success
<u>Holly Zywicke</u>	Differential Activation of Transcription Factor NF-κB in Brainstem and Medial Septum Cholinergic Neurons in Alzheimer's Disease

Saturday, 29 April 2000

**Lecture Session, Dow 226, 8:00 a.m. – 4:15 p.m.**

8:00 – 8:30	Coffee and Doughnuts	
8:30 – 9:00	<u>Chris Wrobel*</u>	Moments within the Spaces, Three Months on East Amatuli
9:00 – 9:30	<u>Brian Untch</u>	Nitric Oxide Producing Cells in the Central Nervous System and Peripheral Tissues of <i>Mercenaria mercenaria</i> (Bivalvia)
9:30 – 10:00	<u>Sarah Bingham</u>	Generation of Stable Cell Lines Expressing Notch and Presenilin: Insights into the Function of Presenilin in Notch Signaling and Alzheimer's Disease
10:00 – 10:30	<u>Sid Kerker</u>	The Contractile Response of Lung Pericytes to Reactive Oxygen Metabolites
10:30 – 10:45	Break	
10:45 – 11:15	<u>Andrew Schook</u>	The Role of Lipopolysaccharide Binding Protein in the LPS Activation and Phagocytotic Response of Kupffer Cells
11:15 – 11:45	<u>Megan Faurot</u>	Effects of Estrogen on the Expression of Noncollagenous Proteins on the Coronary Arteries of Postmenopausal Women
11:45 – 12:15	<u>Kelly Vereeke</u>	Role of the 2'-Hydroxyl at the 3'-Splice Site in the Second Step of the Group II Ribozyme Self-Splicing Reaction
12:15 – 1:15	Lunch	
1:15 – 1:45	<u>John Talpos*</u>	The Effects of the Mother-Child Relationship on Child Care-Giving Behaviors Seen During Play
1:45 – 2:15	<u>Kerry Petterson</u>	Foraging Time and Vigilance in Rock Hyrax ( <i>Procapra capensis</i> ), a Social Forager
2:15 – 2:45	<u>Benjamin Fanson</u>	Patch Use, Habitat Selection, and Predation Risk in Two Rodent Species Inhabiting a Kopje in Tsavo West, Kenya
2:45 – 3:15	<u>Tish Conway-Cranos</u>	The Effects of Simulated Green Turtle Grazing on the Caribbean Seagrass, <i>Thalassia testudinum</i>
3:15 – 3:45	<u>Andrea Augustine</u>	Effects of a Highway on Plant Species Composition and Diversity of a Southwestern Michigan Wetland
3:45 – 4:15	<u>Leslie Rosendahl</u>	The Effect of the Ac-PHSdCN-NH <sub>2</sub> Peptide on Prostate Cancer Invasion and Metastasis
4:15 – 4:45	<u>Tony Chun</u>	Detection of the Cancer-Related Gene, Cathepsin B: Levels of <i>CTSB</i> Amplification in the Interphase Nuclei of Barrett's Esophageal Adenocarcinoma Frozen Tissue Sections
<b>6:00</b>	<b>Banquet (Bravo! Ristorante)</b>	

\* Designates senior biology majors who did a non-biology SIP