

Kalamazoo College Biology Department

## *Diebold Symposium*

### Schedule of Events

Thursday, May 6, 2004

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

4:00-4:30 Dr. Lynn Margulis, Distinguished University Professor, Department of Geosciences,  
University of Massachusetts, Amherst  
"Acquisition of Genomes by Symbiogenesis"

**Reception Following**

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Friday, May 7, 2004

#### **Lecture Session, Dow 226, 4:00-6:00 p.m.**

4:00-4:30 Alexandra Gold Identification Of Genes Affecting Sexual Dimorphism Of The Gonad In  
*Caenorhabditis elegans*

4:30-5:00 Margaret Kilar Analysis Of The Alcohol Dehydrogenase (Adh3) And The Serine Protease  
Inhibitor, Kazal Type I (Spink 1) Genes In Alcohol-Induced Pancreatitis

5:00-5:30 Carrie Brankiewicz Antagonistic Substances Produced By Vaginal Tract Bacteria With An  
Emphasis On The Pathogenesis Of Bacterial Vaginosis

5:30-6:00 Jessie Wagner Manipulation Of The Cellular Redox State: The Effects Of Antioxidants On  
Trail-Induced Apoptosis In Rhabdomyosarcoma

#### **Poster Session, Dow Third Floor, 7:00-8:15 p.m.**

Laila Al-Duwaisan Fish As A Biomarker For Cell Invasion

Jessica Beverwyk Bat Foraging In *Tamarik spp.* And *Salix spp.* - A Survey Of Species Richness Along The  
Lower Owens River In California

Ben Bimber Lovastatin Can Be Used To Produce Non-Prenylated Ykt6 From Pc12 Cells

Alexis Bowman The Ulitimate Experiential Education

Andrea Braunz Analysis Of The Khri-3 Antigen In Guinea Pig Inner Ear And Lung Tissues

Stephanie Busch The Role Of The Pi3k/Akt2 Pathway In Anti-Estrogen Resistant Breast Cancer

Daniel Drake Effects Of Environmental Agents On Bacteria From The Oral Cavity

Mara Faust Invertebrate Diversity On Sleepy Grass (*Achnatherum robustum*) Infected With The  
Alkaloid-Producing *Neotyphodium* Fungal Endophyte

Katherine Frank Morphological Effect Of Immobilization On Collagen Fibrils In Rat Tailtendons

Charles Geneczko Occurrence Of Spontaneous Mammary Intraepithelial Neoplasia In The Canine Mammary  
Glands And Estrogen Receptor Negativity

Tristam Gibbons The Intrinsic Rate Of Growth Of Soybean Aphid, Aphis Glycines Matsumura, Under  
Different Systems Of Soybean Production

Jessica Gierut The Role Of HLA Class I And Class II Alleles In Association With The Outcome Of  
Hepatitis C Virus Infections

Renu Goyal The Dose-Dependent Effect Of Ethanol On Sapp $\alpha$  Secretion From Cho695 Cells

Phillip Kotzan The Chiropractic Approach On Down Syndrome

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

<u>Nathan Brouwer</u>	Phylogenetic Comparison Of Proposed Pathways Used By Hiv-1 Nef To Downregulate Mhc-I Cell Surface Expression
<u>Bryan Goyings</u>	Science Segmentation: What Are The Benefits Of Segmenting Lesson Plans In A Secondary Science Classroom Setting? Improving Student Cognition And Classroom Management Through Effective Lesson Plans
<u>Vincent Hames-Frazier</u>	Geometric And Feature Encoding Of Discrete Landmark Arrays In Clark's Nutcrackers: What External Cues Aid In Avian Navigation And Heading Determination?
<u>Rachel Hayward</u>	The Relationships Between Fit And Form In Wheel Thrown Ceramic Pieces
<u>Matthew Kaiser</u>	New Biological Control Agents Of Soybean Aphid ( <i>Aphis glycines</i> ) Using Native And Previously Introduced Hymenopterous Parasitoids And Dipteran Predators
<u>Nick Kujala</u>	Biocide-Induced Antimicrobial Peptide Resistance In <i>Porphyromona gingivalis</i>
<u>Gina Lutz</u>	A Comparative Analysis Of The Macrofaunal Communities Associated With Whale, Wood, And Kelp Falls On The Deep-Sea Floor
<u>Jonathan Oliva</u>	Properties Of Breast Epithelial Cancer Cell Line After Treatment With Modified Citrus Pectin And The Transfection Of Non-Galectin-3 Expressing Cell Line With Cleaved Galectin-3 Cdna
<u>Emily Olson</u>	Pharmacokinetics And Pharmacodynamics Of Loperamide In <i>Mdr1a</i> (+/+) And <i>Mdr1a</i> (-/-) Mice
<u>Kirsten Rosenkrands</u>	A Model System For Studying The Effects Of Invasive Predatory Cladocerans On Zooplankton Prey Behavior
<u>Mike Sassack</u>	Construction Of His-Tagged Atr Fusion Proteins: Working Toward The Identification Of Atr-Interacting Proteins
<u>Jonas Traxler-Ballew</u>	Density Independent Gall Dispersion In A Willow Complex

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Saturday, May 8, 2004

## Lecture Session, Dow 226, 8:30 a.m.-12:15 p.m.

8:30-9:00	Coffee and Doughnuts
9:00-9:30	<u>Holly Huang</u> Elucidating The Role Of Phosphorylation State And The Cytoplasmic Domain In Mechanisms Of Tnf-Alpha Converting Enzyme (Tace) Activation
9:30-10:00	<u>Megan Noe</u> Establishing A Protocol For The Detection Of Gene Duplications In <i>Drosophila melanogaster</i>
10:00-10:30	<u>Anna Pierzchala</u> Responses Of Four Tortricid Moth Species (Lepidoptera: Tortricidae) To High-Release Pheromone Dispensers: Implications For Mating Disruption Of These Species
10:30-10:45	BREAK
10:45-11:15	<u>Michael Martin</u> Purification Of A Bacteriocin-Like Inhibitor By <i>Enterococcus faecium</i> Strain 62-6 Antagonistic To The Growth Of Vaginal Lactobacilli: Potential Significance For The Pathogenesis Of Bacterial Vaginosis
11:15-11:45	<u>Erica Zontek</u> Manipulation Of Ground Predator Populations Affects Prey Removal In A Highbush Blueberry ( <i>Vaccinium corimbosum</i> ) Field
11:45-12:15	<u>Janice Watch</u> Ethanol Prolongs Clearance Of Exogenous Serotonin In The Dorsal Hippocampus But Not The Dorsal Raphe Nucleus Of Rat Brain
6:00pm	BANQUET