

Kalamazoo College Biology Department

Diebold Symposium

Schedule of Events

Thursday, April 26, 2001

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

4:00-4:30 Dr. Kathryn A. Vandebosch, Chair, Department of Plant Biology, University of Minnesota, (K 77)
"Coping With Microbes: A Genetic and Genomic View of How Plants Do It."
Reception Following

Friday, April 27, 2001

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

4:00-4:30 Mitchell Kundel Nociceptin-induced antinaatriuresis is affected by the renin-angiotensin-aldosterone system
4:30-5:00 Kirsten Pelz Drug resistance mediated by the overexpression of MRP1 in an inducible system
5:00-5:30 Benjamin Farrar Natural killer cells as natural born killers: Directed by the activated GTPase Dynamin-2
5:30-6:00 Aash Bhatt Evaluation of an ER export signal on an amyloid precursor protein mutant associated with Alzheimer's Disease

Poster Session, Dow Third Floor, 7:00-9:30 p.m.

Michael Bellware The importance of major predators on the nesting behavior of *Lepomis Macrochirus*, bluegill sunfish
Kaleb Brownlow Activity of inducible nitric oxide synthase requires bound calcium at either site I or site III of calmodulin
Diana Daly Phylogenetics of three populations of the Tasmanian giant lobster (*Astacopsis Gouldi*)
Nicklaus Duiker Chronic treatment of laam and buprenorphine in heroin and hyprenorphine discriminating pigeons
Aimee Felczak Effects of mercury on Ras/Map kinase signaling in T cells
Kristopher MacWilliams Effects of sterilization on the physical properties of an elastin biomaterial
Rachael Mallison Increasing the success of females in science
Shweta Mandrekar Characterization of SEQ-9 an orphan G protein-coupled receptor
Karl Meisel A study of cytochrome P450's level and method of response to the common environmental compound ethylbenzene
Kathleen Miller Extra corporeal circulation: The art of becoming a heart
Veronica Minard The discriminative stimulus properties of the Kappa Opioid, U-50, 488H in rats
Sara Perrine Role of sodium channel PN1 in ulcerative colitis
Gillian Shaw The most efficient single dose of fenbendazole to control gastrointestinal parasites of llamas and alpacas
Jane Steadman Environmentalism theory and the convention on biological diversity
Samina Syed The role of the MT1 melatonin receptor in reproduction
Dawn Todd Abnormal interferon- β function in Multiple Sclerosis: Evaluation of four signaling proteins of the Jak-Stat pathway in mononuclear cells
Lauren Wadland Seasonal fluctuations of carbohydrate metabolizing enzyme activities throughout tart cherry fruit development

Saturday, April, 28, 2001

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

8:30-9:00 Coffee and Doughnuts
9:00-9:30 Lawrence Carter Evaluation of Zolpidem (Ambien) as a selective benzodiazepine agonist in a primate model
9:30-10:00 Lee Nordstrom Still Standing
10:00-10:30 Andrew Woodrow Purification of human CYP1A2 and rat NADPH reductase in preparation for the determination of adduct formed between oltipraz and human CYP1A2
10:30-10:45 BREAK
10:45-11:15 Jillian Lankford An examination of variation in common chimpanzee pant-hoot vocalizations for evidence of vocal learning and developmental instability
11:15-11:45 Rod Rahimi An agnathan *Snail* gene: Insight into neural crest evolution
11:45-12:15 Noah Dudley Dillard Denitrification in retention basin soils of an urban ecosystem
6:00pm Banquet