



Please send submissions to: Katie Gallagher at galla134@msu.edu or 302B Biochemistry (mailbox on 2nd floor)

Vol.39, No. 44, October 30-November 3, 2006

Calendar

Monday, October 30

Inorganic Chemistry Seminar: Asymmetry, clusters and molecules; New synthetic strategies for metal containing soft materials. Claudio Verani, Wayne State University, 11:30 a.m., 136 Chemistry.

Genetics Forum Seminar: Genomics applied to Marek's disease – identifying host genetic resistance and viral pathogenicity genes. Hans Cheng and Weifeng Mao, Michigan State University, 12:30 p.m., 1425 Biomedical and Physical Sciences.

Plant Research Lab and Plant Biology Seminar: Peptide signaling in plant innate immunity. Clarence Ryan, Washington State University, 4:10 p.m., 101 Biochemistry.

Tuesday, October 31

Microbiology and Molecular Genetics Seminar: Bacterial-mucosal interactions in inflammatory bowel disease pathogenesis. Laura Hale, Duke University, 4:10 p.m., 1415 Biomedical Physical Sciences.

Physical Chemistry Seminar: Mims electron nuclear double resonance: A method to determine the distance between a paramagnetic center and a planar object. Matt Krzyaniak, Michigan State University, 4:10 p.m., 136 Chemistry.

Wednesday, November 1

Biochemistry and Molecular Biology Seminar: The endoreduplication cell cycle in maize endosperm and its role in seed. Brian A. Larkins, University of Arizona, 4:10 p.m., 101 Biochemistry.

Pharmacology and Toxicology Seminar: The agony of ecstasy: Neuropharmacology of the methamphetamine analogue MDMA. Gary Gudelsky, University of Cincinnati, 12 noon, B448-49 Life Sciences.

Ecology, Evolutionary Biology and Behavior Seminar: Feedbacks between soil pathogens and tree communities. Sarah Neumann, 3:30 p.m., 247 Plant Biology.

Organic Chemistry Seminar: Development of new one-pot carbohydrate synthesis methodologies. Xuefei Huang, 3:00 p.m., 136 Chemistry.

Dow/Karabatsos Lectureship: Chemistry Seminar: Protein synthesis using tandemly activated tRNAs. Sidney M. Hecht, University of Virginia, 4:10 p.m., 138 Chemistry.

Thursday, November 2

Neuroscience Seminar: Axon guidance in the periphery. Catherine Krull, University of Michigan, 12:15 p.m., 1425 Biomedical Physical Sciences.

Physiology Seminar: Menopause: Blame DNA repair and mitochondria. Gloria Perez, Michigan State University, 4:00 p.m., 1425 Biomedical and Physical Sciences.

Calendar continued

Thursday, November 2

Dow/Karabatsos Lectureship: Chemistry Seminar: Antitumor drug discovery using natural products and novel targets. Sidney M. Hecht, University of Virginia, 4:10 p.m., 138 Chemistry.

Friday, November 3

Science at the Edge: Interdisciplinary Physics Seminar: Epidemic modeling in complex networks. Alessandro Vespignani, Indiana University, 11:30 a.m., 1400 Biomedical and Physical Sciences.

Transcription Journal Club: No meeting this week.

Analytical Chemistry Seminar: Non-invasive monitoring of blood glucose. Ben Oberts, Michigan State University, 12:40 p.m., 136 Chemistry.

Dow/Karabatsos Lectureship: Chemistry Seminar: Bleomycin mechanism of action: Lessons from a combinatorial library. Sidney Hecht and John Mallet, University of Virginia, 4:10 p.m., 138 Chemistry.

Announcements

Sunday, October 29, 2:00 AM: Daylight Savings Time ends. You get an extra hour to sleep!

Last day to enroll for Spring with no fee: Currently enrolled students who have not enrolled for Spring by **November 10, 2006, 8 p.m.** are subject to a \$50 late enrollment fee.

Grants.gov Training: Hands on training opportunities targeted for faculty and staff, **Friday, November 3, 2006, 8:30-10:30 a.m., A211 E Fee.** The course will cover how to search for Funding Opportunities Announcements (FOA), download the free PureEdge software, download the application, and complete and submit the application form to CGA for approval. Tips and typical errors will be covered. **Registration is required.** E-mail Betty Crowell at crowell@cga.msu.edu to sign up.

Innovations in University-Community Research Collaborations 2006-07 Grant Information Forum: Monday, November 6, 2006, 1:00-3:00 p.m., Willy Room, Kellogg Hotel and Conference Center. The forum brings together potential project partners from on and off campus, provides details about the request for proposals, and addresses questions about the application process. There is more than \$500,000 in grants available. For more information, please visit <http://www.fact.msu.edu/funding.html>. **Please RSVP** by calling 517-432-9207 or e-mailing fact@msu.edu.

Request for Proposals: The Dana Foundation Program in Brain and Immuno-Imaging: Using brain and immune imaging innovations to improve human health. This program seeks to advance the application of imaging research to improve understanding of the brain, the immune system, and their interactions in health and disease. If you are interested in this opportunity for research funding and would like more information, please [click here](#). **Application deadline: Tuesday, November 21, 2006.**

The Graduate School – Ph.D. Job Search Series Workshop: “Leadership and the Ph.D.” Wednesday, November 15, 5:00-7:00 p.m., Big Ten C, Kellogg Hotel and Conference Center. What is leadership and why is this competency important to your professional development? For centuries people have attempted to define this elusive term, however, most organizations who employ Ph.D.’s know exactly what it is and looks like in practice. Leadership has been defined in terms of characteristics, traits, strengths, influence, role relationships, behaviors, and occupying an administrative position. Regardless of its definition, leadership competencies are highly sought after by most academic and nonacademic employers. In this workshop, panelists from academic and nonacademic employment sectors will discuss leadership and why this competency is essential to career and professional success and its relevance to the Ph.D. **Registration is required.** To register, please send an e-mail to gradwrsp@msu.edu and include your name, department, e-mail address, and the name of the workshop.

Publications

Lee K, Burgoon LD, Lamb L, Dere E, Zacharewski TR, Hogenesch JB, LaPres JJ. Identification and Characterization of Genes Susceptible to Transcriptional Cross-Talk between the Hypoxia and Dioxin Signaling Cascades. Chem Res Toxicol. 2006 Oct 16;19(10):1284-1293.

Lee K, Roth RA, LaPres JJ. Hypoxia, drug therapy and toxicity. Pharmacol Ther. 2006 Oct 11; [Epub ahead of print].

Scholarships/Fellowships

The **Cincinnati Children's Research Foundation** has many **postdoctoral research positions** available. The postdoc's will gain a broad range of research integrating basic research with translational research into disorders and diseases in children. They will also gain outstanding training in one of the world's top children's research hospitals, with state-of-the-art research labs. Some of the divisions available to work in are, but not limited to: Developmental Biology, Imaging Research, Immunobiology, Cardiothoracic Surgery, Neurology, Experimental Hematology, Infectious Diseases, Gastroenterology, and Hematology/Oncology. For additional information and current postdoctoral positions, please visit <http://www.cincinnatichildrens.org/ed/research/postdoc/postdoc/default.htm>. For questions, please contact Dudley Eirich at Dudley.Eirich@cchmc.org.

Spotlight



Kristine Julien and Carrie Hiser

Carrie Hiser, Research Associate (a.k.a. post-doc and “lab mom”), is currently researching in Dr. Shelagh Ferguson-Miller's lab. She came here as a graduate student in 1985, joint between Biochemistry and MSU-DOE Plant Research Lab, and received a Ph.D. from this department under Lee McIntosh in 1991. She worked briefly as a post-doc for Lee and then for Estelle McGroarty, then joined Shelagh Ferguson-Miller's lab in October 1996 and has been there ever since. As a molecular biologist, Carrie creates mutant forms of cytochrome c oxidase by which to test the mechanism of proton pumping by this enzyme. The lab works with the *Rhodobacter sphaeroides* oxidase as a model for the mammalian oxidase, since the bacterial form is simpler and amenable to genetic engineering.

Carrie is originally from Canton, Ohio. Canton's main claim to fame is that it's the home of the Professional Football Hall of Fame. Carrie is married to Neil Bowlby, Co-Director of the BMB Undergraduate Program. They met in Lee McIntosh's lab. They do not have any children, but hope to get their goldfish tank up and running again soon. Carrie enjoys gardening, baking, canning, cross-stitching, and collecting and customizing model horses.

Quote for the Week

If you have made mistakes, even serious ones, there is always another chance for you. What we call failure is not the falling down but the staying down. – *Mary Pickford*
