



The BMB Weekly Vol. 41, No. 4, January 21-25, 2008

Please send submissions to: Katie Gallagher at galla134@msu.edu or 105B Biochemistry (mailbox on 2nd floor)

Calendar

Monday, January 21

Martin Luther King, Jr. Day – Classes canceled

Plant Research Laboratory Faculty Candidate Special Seminar: Investigating the physiological relevance of the plant circadian clock in a post-genomic era. Michael Covington, University of California-Davis, 10:00 a.m., 247 Plant Biology.

Chemistry Seminar: Metal-metal multiple bonding. Lisa Harlow, Michigan State University, 11:20 a.m., 136 Chemistry.

Genetics Forum: The NDR1-actin connection: Linking gene-for-gene resistance and the actin cytoskeleton. Brad Day, 12:30 p.m., 1425 Biomedical and Physical Sciences.

Plant Biology and Plant Research Laboratories Seminar: Comparative genomics studies of the Asian cultivated rice subspecies indica and japonica and progresses of rice functional genomics research in China. Bin Han, National Center for Gene Research, Shanghai, China, 4:10 p.m., 101 Biochemistry.

Physics Seminar: The coupled-cluster theory and its applications to the study of the structure of the nucleus. Jeffrey Gour, Michigan State University, 4:10 p.m., 1400 Biomedical and Physical Sciences.

Tuesday, January 22

Cell and Molecular Biology Doctoral Thesis Defense Seminar: The regulation and function of progesterone receptor isoforms A and B in the normal mouse mammary gland. Mark Aupperlee, Haslam Lab, 9:00 a.m., 1425 Biomedical and Physical Sciences.

Metabolism, Membranes, and Metalloenzymology (3M) Seminar: TRPV & PorB2 Channels. Presentation by R. Michael Garavito and Garavito lab members, 12:00 noon, 1400 Biomedical and Physical Sciences.

Reproductive and Development Sciences Program (RDSP) Seminar: Maternal diabetes and pre-ovulatory/preimplantation origins of developmental abnormalities. Kelle Moley, Washington University at St. Louis, 2:30 p.m., 1310 Anthony Hall.

Microbiology and Molecular Genetics Seminar: A flagellar clutch disables motility in *Bacillus subtilis* biofilms. Daniel Kearns, Indiana University, 4:10 p.m., 1415 Biomedical and Physical Sciences.

Wednesday, January 23

Breast Cancer Biology Faculty Candidate Seminar: Mechanistic insights in cytoskeletal dynamics during cancer cell motility. Kathryn Eisenmann, Van Andel Research Institute, 10:00 a.m., 1425 Biomedical and Physical Sciences.

Plant Functional Ecologist Faculty Candidate Seminar: Ecological and physiological implications of xylem functional morphology. 1:30 p.m., 247 Plant Biology.

Physics and Astronomy Seminar: The standard model at the LHC. Tom LeCompte, Argonne National Lab, 2:00 p.m., 1400 Biomedical and Physical Sciences.

Calendar

Wednesday, January 23

MSU Faculty Emeriti Association Seminar: Stem Cells: Their potential role in the cause, prevention and treatment of human diseases. James Trosko, Pediatrics and Human Development, Michigan State University, 2:30 p.m., Radiology Auditorium.

Food Science and Human Nutrition Seminar: What Americans Eat! Joseph Derochowski, The NPD Group, Inc., 4:00 p.m., 1135 S. Anthony Hall.

BMB Graduate Forum: Presentation by **Leron Katsir, Howe Lab**, 4:30 p.m., 208 Biochemistry.

Thursday, January 24

Genetics Faculty Candidate Seminar: Mining the pits: Genetic lessons from Van der Woude Syndrome. Brian Schutte, University of Iowa, 9:00 a.m., 1425 Biomedical and Physical Sciences.

Biochemistry and Molecular Biology Seminar: HIFs, hypoxia, and stem cells. M. Celeste Simon, University of Pennsylvania, 11:30 a.m., 101 Biochemistry.

Neuroscience Seminar: Neurobiology in drosophila: Small brain, large potential. Diane O'Dowd, University of California-Irvine, 12:30 p.m., 1425 Biomedical and Physical Sciences.

Physics and Astronomy Seminar: Testing the limits of relativity. Matt Mewes, Marquette University, 2:00 p.m., 1400 Biomedical and Physical Sciences.

Horticulture and Crop & Soil Sciences Seminar: BioCassava Plus. Dick Sayre, Ohio State University, 4:10 p.m., A149 Plant and Soil Sciences.

Epidemiology Seminar: Early developmental trajectories (ASD from 1-3). Cathy Lord, University of Michigan, 4:30 p.m., C102 East Fee Hall, Patenge Room.

Friday, January 25

Genetics Faculty Candidate Seminar: Statistical methods of human genetic research. Yulan Liang, SUNY Buffalo, 9:00 a.m., 1425 Biomedical and Physical Sciences.

Science at the Edge: Engineering Seminar: The osmotic motor. John Brady, California Institute of Technology, 11:30 a.m., 1400 Biomedical and Physical Sciences.

Chemistry Seminar: Chemical profiling of fingerprints using IR imaging. Ruth Udey, Michigan State University, 12:40 p.m., 136 Chemistry.

Saturday, January 26

The Graduate School: Career Selection and Professional Skill Development Workshop Series: From graduate student to professor: Stages of professional development. Big Ten C, Kellogg Hotel and Conference Center. **Registration is required.** Contact the Graduate School at gradwrsp@msu.edu to register.

Announcements

The Graduate School: Ph.D. Job Search Series: The academic job search. Presented by Dr. Matt Helm, Coordinator of Ph.D. Career Services. **Wednesday, January 30, 2008, 5:00-7:00 p.m., 6 Student Services Building.** The goal of this workshop series is to assist Ph.D. students in their career and professional development planning process as well as to provide students with the knowledge and practical skills associated with a successful job search. **Registration is required.** Contact the Graduate School at gradwrsp@msu.edu to register.

The Graduate School: Conflict Resolution Workshop: Developing communication and conflict management skills to save time and enhance productivity. Presented by Dr. Tony Nunez, Associate Dean, The Graduate School; Dr. Julie Brockman, Program Coordinator, The Graduate School; and Dr. Janet Lillie, Department of Communication. **Friday, February 1, 2008, 9:00 a.m. – 2:30 p.m., 104 Kellogg Hotel and Conference Center.** Learn effective negotiation and communication strategies to resolve conflicts and also to prevent them from occurring. Lunch will be provided. **Registration is required.** Contact the Graduate School at gradwrsp@msu.edu to register.

Announcements continued

EPA Personal Emissions Calculator Website: If you would like to calculate the carbon footprint (CO₂ emissions) that you, as an individual, contribute to global warming, please visit http://www.epa.gov/climatechange/emissions/ind_calculator.html.

Position Vacancies (notices can be found in maroon binder in Room 302A)

A **Lead Research Scientist position** in Analytical Chemistry is available with **Kalsec, Inc.**, a Kalamazoo, Michigan based leading manufacturer of spice, herb, and hop extracts for the food, beverage, and nutritional supplement industries. The ideal candidate should possess a Ph.D. in Chemistry or commensurate credentials with broad expertise in chemical analytical methods. Preference will be given to candidates with experience in food/pharmaceutical analytical research, high throughput screening methods and/or bioactivity testing of natural products. The experience should demonstrate the ability to develop and validate analytical methods in an R&D environment including a strong familiarity with commercial chromatography systems. Candidates will be required to demonstrate, during the selection process, their written and oral communication, problem solving and interpersonal skills. Research will be conducted in the Paul H. Todd, Jr. Research Center. Interested parties should submit a resume to HR3@kalsec.com or mail to Human Resources Attention: HR3, 300 Turwill Lane, Kalamazoo, MI 49006. No phone calls please.

A **Lead Research Scientist position** in Hops Chemistry is available with **Kalsec, Inc.**, a Kalamazoo, Michigan based leading manufacturer of spice, herb, and hop extracts for the food, beverage, and nutritional supplement industries. The ideal candidate is a highly creative organic chemist with exceptionally strong experimental skills capable of conducting research leading to new understanding and product development in its Hops R&D Laboratory. A Ph.D. in chemistry is required. Experience and interest in organometallic catalysis, hetero- and homogeneous hydrogenation and synthesis, is highly desired. Experience and interest in green chemistry, natural products isolation, process development and scale-up is a plus. Research will be conducted in the Paul H. Todd, Jr. Research Center. Interested parties should submit a resume to HR3@kalsec.com or mail to Human Resources Attention: HR3, 300 Turwill Lane, Kalamazoo, MI 49006. No phone calls please.

Quote for the Week



Don't be afraid to take a big step if one is indicated. You can't cross a chasm in two small jumps.
~ David Lloyd George
