



The BMB Weekly Vol. 40, No. 39, September 24-28, 2007

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

Calendar

Monday, September 24

Ed Kabara Preliminary Examination: Profiling transcriptome changes in monocyte-derived macrophages upon infection with *Mycobacterium avium* subspecies *paratuberculosis*. 9:00 a.m., 208 Biochemistry.

Chemistry Seminar: Frustrated Lewis pairs: From reactivity to metal-free catalysis. Douglas Stephan, University of Windsor, 11:30 a.m., 136 Chemistry.

Entomology Seminar: New developments in area-wide, pheromone-based IPM in Australian horticulture. Alex Il'ichev, Department of Primary Industries, Tatura Center, 4:00 p.m., 244 Natural Science.

Plant Biology and Plant Research Labs Seminar: Social-ecological sustainability in a changing world: Concepts and policy strategies to address climate change in Alaska. Terry Chapin, University of Alaska-Fairbanks, 4:10 p.m., 101 Biochemistry.

Physics and Astronomy Seminar: Real-time computer simulations of excited-state dynamics in carbon nanostructures. David Tomanek, Michigan State University, 4:10 p.m., 1400 Biomedical and Physical Sciences.

Tuesday, September 25

Statistics and Probability Seminar: Estimation of poisson intensity in the presence of deadtime. Grace Yang, National Science Foundation and University of Maryland, 10:20 a.m., A405 Wells Hall.

CMB Program Research Forum: The S-phase kinase Cdc7-Dbf4 regulates mitotic exit in budding yeast. Charles Miller, Michigan State University, 1:00 p.m., 2245 Biomedical and Physical Sciences.

Physics and Astronomy Seminar: The standard model Higgs search at the tevatron. Wade Fisher, Fermilab, 2:00 p.m., 1400 Biomedical and Physical Sciences.

Chemistry Seminar: Conformational sampling of peptides in complex biological environments. Michael Feig, Michigan State University, 4:10 p.m., 136 Chemistry.

Microbiology and Molecular Genetics Seminar: Keeping microbes in their place: The role of location in host-pathogen interactions. Mary O'Riordan, University of Michigan, 4:10 p.m., 1415 Biomedical and Physical Sciences.

Wednesday, September 26

Ecology, Evolutionary Biology and Behavior Seminar: Cuatro cienegas: A microbial Galapagos in the Chihuahuan desert. Valeria Souza, Autonomous University of Mexico, 3:30 p.m., 247 Plant Biology.

Thursday, September 27

Biochemistry and Molecular Biology Seminar: Charles C. Sweeley Endowed Lectureship: Lipidomics and cell signaling networks. Alex Brown, Vanderbilt University, 11:30 a.m., 101 Biochemistry.

Departments of Animal Science and Food Science and Human Nutrition Seminar: Innovation in meat processing. Ik-Soon Kang, Oscar Mayer/Kraft Foods, 9:00 a.m., 1240 Anthony Hall.

Calendar continued

Thursday, September 27

Neuroscience Seminar: Role of Androgen Receptor (AR) in the development of two sexually dimorphic nuclei. Alfredo Durrazo, Michigan State University, 12:30 p.m., 1425 Biomedical and Physical Sciences.

Physics and Astronomy Seminar: Towards continuous-wave Bose-Einstein condensation and atom lasing. Georg Raithel, University of Michigan, 4:10 p.m., 1415 Biomedical and Physical Sciences.

Epidemiology Seminar: The use of effectiveness analysis in value-based benefit design and reimbursement. John Fox, Priority Health, 4:30 p.m., C102 East Fee.

Friday, September 28

Science at the Edge: Quantitative Biology and Modeling Seminar: Revealing a gene regulatory grammar through quantitative measurement and modeling of *Drosophila* gene expression. David Arnosti, Michigan State University, 11:30 a.m., 1400 Biomedical and Physical Sciences.

Transcription Journal Club: Presentation by **Sookyung Oh**, 12:30 p.m., 502 Biochemistry.

Sean Law Preliminary Examination: Development of a new biasing potential for CHARMM: Applications in *Escherichia coli* MutS mismatch repair protein. 1:00 p.m., 208 Biochemistry.

Chemistry Seminar: Utilization of carbon nanoneedles for electrochemical detection of biological compounds. Matt Smith, Michigan State University, 12:40 p.m., 136 Chemistry.

The Graduate School Workshop: Dissertation Writing Workshop. Presented by Dorothy Duff Brown, 1:00-5:30 p.m., 105 Kellogg Center.

Saturday, September 29

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Announcements

Fall Scholarship Information Session: All sessions are held in 207/208 Eustace-Cole Hall unless otherwise noted. **Wednesday, September 26th, 11:00 a.m. – 5:00 p.m.** National Science Foundation Graduate Research Fellowship information session for seniors and first year graduate students.

The Graduate School: Responsible Conduct of Research Series: Responsible decision-making in academic research: Ethical and moral perspectives. Presented by Leonard Fleck, **Tuesday, October 2nd, 6:00-8:30 p.m., Lincoln Room, Kellogg Center.** Dr. Fleck will set the stage for future workshops by summarizing ways of thinking about ethical and moral dilemmas. He will highlight the ethical dimensions of such things as academic freedom in relation to academic responsibility/duty; respect for different perspectives in moral judgments; the importance of achieving consensus for professional moral standards; and others. **Registration is required.** To register, please send an email to gradwrsp@msu.edu and include your name, phone number, email address, and department.

The Graduate School: Ph.D. Job Search Series: Writing curriculum vitae and cover letters for impact. Presented by Matt Helm, **Wednesday, October 3rd, Spartan Room BC, International Center.** This workshop is designed to help Ph.D. students learn how to present their CV's and cover letters in the most visually impact and strongest possible manner and to provide insight from the perspective of the search committee. Learn what the search committee is looking for and how to write your way into an interview. **Registration is required.** To register, please send an email to gradwrsp@msu.edu and include your name, phone number, email address, and department.

The Graduate School: Ph.D. Job Search Series: Putting your degree to work: Practical career strategies for Ph.D.s. Presented by Peter Fiske, **Monday, October 8th, 5:00-7:00 p.m., Big Ten B, Kellogg Center.** This is a two-hour workshop for post-docs and graduate students in all fields of science. Peter Fiske will present a thorough and practical overview to the process of career planning and job hunting in today's job market, from the perspective of a young scientist. **Registration is required.** To register, please send an email to gradwrsp@msu.edu and include your name, phone number, email address, and department.



Announcements continued



2008 Call for Proposals: The Western Michigan Greenhouse Association and the Metropolitan Detroit Flower Growers Association would like you to consider submitting research or extension proposals on any issue that is relevant to the floriculture industry in Michigan. Proposals can be on any aspect of production, marketing, economics, or related issues that will benefit greenhouse growers in Michigan. You must provide twenty-five copies of a one to two page proposal and budget along with a completed transmittal form to Candace Ebbinghaus, MAES, 109 Agriculture Hall. **The deadline for submitting proposals is Friday, October 12, 2007 by 5:00 p.m.** The proposals will be compiled and

then sent to both Boards for review. All researchers that submit a proposal for 2008 are expected to join both boards for a complimentary lunch at the Michigan Greenhouse Growers Expo at the Lansing Center on Wednesday, November 7, 2007 from 12:00-1:00 p.m. The purpose of this meeting is for you to briefly summarize your proposal and respond to questions that the Boards may have. Decisions on funding will be made by each board in mid December. For questions or further information, please contact Michael Ouding, West Michigan Greenhouse Association or Tony Raney, Metro Detroit Flower Growers Association.

Position Vacancies (copies of notices are in maroon binder in Room 302 A)

Two **tenure-track faculty positions** are available in the Department of Biochemistry at **Purdue University**. One is at the level of Assistant Professor and the other is at the level of Associate Professor. The focus area for one of the positions is the enzymology or engineering of metabolic pathways with significant impact on disease. Areas of particular interest include diabetes, cardiovascular disease and obesity. The other focus area is the pathways and enzymes relevant to biofuel production. Areas of interest include plant cell wall biosynthesis, polysaccharide hydrolysis, and microbial fermentation of sugars to biofuel. The successful candidates will be expected to develop nationally and internationally recognized research programs, interact with scientifically diverse faculty across campus, and demonstrate excellence in teaching. Applicants for assistant professor should have a Ph.D. or M.D., at least two years of post-doctoral experience or its equivalent, a strong publication record, the potential to develop a vigorous extramurally-funded research program, and a commitment to research and teaching excellence. Candidates at the associate level also should have a track record of significant external funding. For more information about the Department of Biochemistry, please visit <http://www.biochem.purdue.edu>. **Screening of applicants will be October 12, 2007 and continue until the positions are filled.**

A **tenure-track Assistant Professor position** in any area of Biological Chemistry or Chemical Biology is available in the Chemistry Department at **Wayne State University**. Preference will be given toward candidates at the assistant professor level. Candidates must have a Ph.D. and the potential to develop a nationally recognized, externally funded research program of outstanding quality in any area of biological chemistry. The Department of Chemistry has a supportive academic environment and a strong graduate program. Excellent opportunities exist for collaborative research with individuals in the Department of Biological Sciences, the basis science departments in the highly ranked School of Medicine, the College of Pharmacy and Health Sciences, as well as in the Center for Molecular Medicine and Genetics, the Institute for Environmental Health Sciences, and the Barbara Ann Karmanos Cancer Institute. Review of applications will begin in October 2007. For more information, please contact Louis Romano at ljr@chem.wayne.edu or (313)577-2584.

Fellowship Opportunities

Not Science as Usual: Become a AAAS Science & Technology Policy Fellow: AAAS Science & Technology Policy Fellowships Information Session at MSU, **Thursday, November 1st, 12:00-1:00 p.m., 273 Giltner – Environmental Science and Policy Program Conference Room (room is located in northeast corner of building)**. Dan Poux, Associate Director of the AAAS Science & Technology Policy Fellowships, will present information on available opportunities, qualifications, the application process, and how the program can enhance your career. Graduate students, alumni and faculty from all fields of science, engineering and medicine are welcome to attend. Applicants must hold a PhD or equivalent degree (DVM, MD, etc.) in any physical, biological, medical/health, or social/behavioral science, any field of engineering, or any relevant interdisciplinary field. A master's degree in any engineering field plus 3 years of post-degree professional experience also qualifies. **All degree requirements must be completed by the application deadline, December 20, 2007.** Federal employees are not eligible and U.S. citizenship is required. For more information, please visit <http://fellowships.aaas.org/>. For questions, please contact Maya E. Fischhoff at 517-353-9246 or email mayaef@msu.edu.

Fellowship Opportunities continued

AAHHE 2008 Graduate Student Conference Fellowship: The American Association of Hispanics in Higher Education (AAHHE), Inc. invites full-time graduate students to participate in the 2008 AAHHE National Conference: Building pathways-construyendo caminos: Fullfilling expecations. The conference will be held March 608, 2008 at the Hyatt Regency Miami in Miami, Florida. For the last 13 years, fellowships have been awarded to currently enrolled Hispanic, Latina/o, and/or Chicana/o graduate students. The success of the fellowship program can be attributed to the experience it delivers – mentorship and peer networking with others in higher education.

Applications are due no later than October 19, 2007 by 5:00 p.m. (EST). This fellowship is open to all fields. For more information, please contact Linda Prieto, 2008 Graduate Student Fellows Program Chair via email at Lprieto@mail.utexas.edu.

Ford Foundation Diversity Fellowships: These fellowships are designed to increase the diversity of the nation's college and university faculties by increasing their ethnic and racial diversity, to maximize the educational benefits of diversity, and to increase the number of professors who can and will use diversity as a resource for enriching the education of all students. Applicants must be a U.S. citizen or national, planning a career in teaching and research at the college or university level. There are approximately 60 predoctoral, 35 dissertation, and 20 postdoctoral fellowships given out. The application deadlines are as follows:

Pre-doctoral: November 15, 2007

Dissertation: November 29, 2007

Post-doctoral: November 29, 2007

For more information and applications, contact the Fellowships Office at (202)334-2872 or email infofell@nas.edu. You may also visit <http://national-academies.org/fellowships>.

Quote for the Week

Your idea doesn't have to be big. It just has to be yours alone. The more the idea is yours alone, the more freedom you have to do something really amazing. The more amazing, the more people will click with your idea. The more people click with your idea, the more it will change the world. – *Hugh Macleod*

