



The BMB Weekly Vol. 42, No. 42, October 12-16, 2009

Please send submissions to: Katie Gallagher at galla134@msu.edu or 212 Biochemistry (mailbox on 2nd floor)

Calendar

** For a listing of all CNS Events, please [click here](#) **

Monday, October 12

Center for Research on College Science Teaching and Learning Seminar: The relations of ethnic identity and belonging to women's motivation in engineering: An achievement goal theory perspective. Shirley Yu, University of Houston, 4:00 p.m., 105 Natural Science.

Chemistry Seminar: Benjamin Klahr, Michigan State University, 11:30 a.m., 136 Chemistry.

Genetics Research Forum: Presentation by **David Arnosti**, 12:30 p.m., 1425 Biomedical & Physical Sciences.

Entomology Seminar: The scent of plants in insect-plant interactions and pest management. Cesar Rodriguez-Saona, Rutgers University, 4:00 p.m., 244 Natural Science.

Physics & Astronomy Seminar: Quantum phase transitions in a dirty-Fermi-liquid and the metal-insulator transition in two dimensions. Alexander Punnoose, The City College of New York, 4:10 p.m., 1400 Biomedical and Physical Sciences.

Plant Biology & Plant Research Lab Seminar: Bacterial elicitation and evasion of plant immunity. Gregory Martin, Cornell University, 4:10 p.m., 101 Biochemistry.

Tuesday, October 13

Statistics & Probability Seminar: Modeling data network sessions and the conditional extreme value model. Sidney Resnick, Cornell University, 10:20 a.m., A405 Wells Hall.

BMB Graduate Student Forum: Presentation by **Nobuko Sugimoto, Beaudry Lab**, 12:00 noon, 208 Biochemistry.

Plant Research Laboratory Seminar: Functional characterization of an Arabidopsis C-terminal tail-anchored protein in peroxisome and mitochondrial division. Kyaw Aung, Hu Lab, 12:00 noon, 168 Plant Biology.

Chemistry Seminar: Michael Howart, Michigan State University, 4:10 p.m., 136 Chemistry.

Microbiology & Molecular Genetics Seminar: Prospects for renewable chemical building block molecules from biomass. Bobby Bringi, MBI, 4:10 p.m., 1415 Biomedical & Physical Sciences.

Wednesday, October 14

Pharmacology & Toxicology Seminar: Pathophysiology of hypertension during pre-eclampsia: Linking endothelial dysfunction to placental ischemia. Jeffrey Gilbert, University of Duluth, 12:00 p.m., B448-449 Life Sciences.

Chemistry Seminar: Asymmetric hydrogenation of imines. Heyi Hu, Michigan State University, 3:00 p.m., 136 Chemistry.

Calendar continued

Wednesday, October 14

Ecology, Evolutionary Biology & Behavior Program Seminar: Evolutionary diversification of sexual communication systems in moths: An evolutionary paradox? Fred Gould, North Carolina State University, 3:30 p.m., 247 Plant Biology.

The Graduate School Workshop: Developing Your Written Credentials and Preparing Application Materials: CV's, Cover Letter, and More. 4:00 p.m., Room 6, Student Services Building. **Registration is required.** To register, please send an email to gradwrsp@msu.edu and include your name, phone number, email address, and department.

Thursday, October 15



The Student Organic Farm Stand on Farm Lane in front of the Auditorium has begun! We will be out selling fresh, organic produce, grown at the SOF every Thursday from 11am - 5:30pm from now until the end of October.

Genetics Program Dissertation Seminar: Structural and functional studies of proteins involved in mitochondrial function and structure. Yanfeng Zhang, 9:30 a.m., 208 Biochemistry.

Biochemistry & Molecular Biology Seminar: William W. Endowed Lectureship: Jeff Nickerson, University of Massachusetts, 11:30 a.m., 101 Biochemistry.

Neuroscience Seminar: Methylmercury potentiate glutamate excitotoxicity in development of paralytic phenotype in SOD1-G93A mice. Frank Johnson, Michigan State University, 12:30 p.m., 1425 Biomedical and Physical Sciences.

Horticulture and Crop & Soil Sciences Seminar: MSU wheat breeding program. Janet Lewis, Michigan State University, 4:10 p.m., A149 Plant & Soil Sciences.

Physics & Astronomy Seminar: Thomas Glasmacher, FRIB Project Manager, 4:10 p.m., 1400 Biomedical and Physical Sciences.

The Graduate School Workshop: Talking About Teaching in the Interview. 5:30 p.m., Spartan Room C, International Center. **Registration is required.** To register, please send an email to gradwrsp@msu.edu and include your name, phone number, email address, and department.

Friday, October 16

Lyman Briggs Seminar: Dynamics of sexual violence as weapons of war: Crisis in the Democratic Republic of Congo. Julia Van Rooyen, Harvard Humanitarian Initiative, 9:00 a.m. – 10:30 a.m., C102 Holmes Hall.

W.K. Kellogg Biological Station Seminar: Fred Gould, North Carolina State University, 10:45 a.m., Stack Room 237, Kellogg Biological Station.

Science at the Edge: Interdisciplinary Physics Seminar: Functional topological aspects in the theory of aperiodic solids and tiling spaces. Jean Bellissard, Georgia Tech, 11:30 a.m., 1400 Biomedical and Physical Sciences.

Chemistry Seminar: Evaluating the diagnostic potential of exosomes for cancer biomarker discovery. Sichang Liu, Michigan State University, 12:40 p.m., 136 Chemistry.

Lyman Briggs Seminar: The journey from MSU's Lyman Briggs College to the Congo: Advancing the science and practice of a humanitarian response to violence and war. Michael Van Rooyen, Harvard Humanitarian Initiative, 1:30-3:00 p.m., C102 Holmes Hall.

Announcements

Write Winning Grants Workshop: David C. Morrison, Ph.D., Grant Writers' Seminars & Workshops LLC, January 6, 2010, 8:30 a.m. – 4:30 p.m., 1410 Biomedical & Physical Sciences. Sponsored by the MAES Preawards Office. **Registration is required by October 30, 2009.** To register, please [click here](#) and submit the form to Candace Ebbinghaus.

The Graduate School Workshop: Maintaining a Productive & Responsive Environment for Conducting Research. Tuesday, October 27, 6:00 p.m., 103 Erickson Hall (Kiva). **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 Workshop: Talking About Research in the Interview. Wednesday, October 28, 5:00 p.m., Room 6, Student Services Building. **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 Workshop: Navigating the PhD: Part 1. Friday, October 30, 9:00 a.m., The Writing Center, 300 Bessey Hall. **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 Workshop: Navigating the PhD: Part 2. Saturday, October 31, 9:00 a.m., The Writing Center, 300 Bessey Hall. **Registration is required.** To register, please send an email to gradwrsp@msu.edu and include your name, phone number, email address, and department.

Grants

Received January 31 through April 10, 2009

David Arnosti and **R. William Henry** received \$251,350 from NIH/PHS for “Analysis of the Cop9 Signalsome for Retinoblastoma Function.”

Dean DellaPenna received \$324,882 from University of Fieburg for “Engineering Rice for High Beta-Carotene, Vitamin E and Enhanced Fe and Zn.”

Michael Feig received \$182,023 from NSF for “Career: Structure, Dynamics, and Energetics of DNA Mismatch Recognition.”

R. Michael Garavito received \$92,983 from Vanderbilt University for “Functional Analysis of Cyclooxygenase-2.”

Eric Hegg received \$126,000 from Battelle Memorial Institute for “Using Hydrogen Isotopes to Assess Proton Flux During Biological Hydrogen Production.”

Frances Trail and **A. Daniel Jones** received \$80,000 from MI Univ Comm Init Challenge Fund for “Reducing Mycotoxin Contamination in Stored Grain and Nuts.”

Stephen Patrick Walton and **Christina Chan** received \$162,461 from NIH/PHS for “Development of a Parallel, Array-Based Transcription Factor Expression Assay.”

Received April 11 through June 5, 2009

David Arnosti and **R. William Henry** received \$27,928 from NIH/PHS for “Analysis of the Cop9 Signalsome for Retinoblastoma Function.”

David Arnosti and Chichia C. Chiu received \$30,170 from NIH/PHS for “Molecular Analysis of Transcriptional Repression.”

Christoph Benning received \$182,959 from NSF for “Mechanisms of Lipid Trafficking Between the Endoplasmic Reticulum and the Chloroplast.”

Grants continued

Received April 11 through June 5, 2009

Christina Chan, Rong Jin and Stephen Patrick Walton received \$25,050 from NIH/PHS for “Develop a Dynamic Model that Incorporates Text-Mining to Reconstruct Networks.”

Robert Hausinger received \$291,461 from NIH/PHS for “Characterization of Fe(11)/Alpha-Ketoglutarate-Dependent Hydroxylases.”

Eric Hegg received \$35,000 from Colorado School of Mines for “Renewable Biosolar Hydrogen Production Form Roust Oxygen Phototrophs.”

Lee Kroos received \$21,950 from NSF for “C-Signal-Dependent Gene Expression in Myxococcus Xanthus.”

Beronda L. Montgomery received \$149,824 from NSF for “Career: Molecular Genetic and Biochemical Analysis of Biliprotein-Regulated Photomorphogenesis in Cyanobacteria.”

Robert A. Roth, Patricia E. Ganey and **John J. LaPres** received \$308,957 from NIH/PHS for “Neutrophils and Hepatotoxicity.”

Stephen Patrick Walton and **Christina Chan** received \$18,051 from NIH/PHS for “Development of a Parallel, Array-Based Transcription Factor Expression Assay.”

Thomas D. Sharkey received \$120,000 from NSF for “Physiology of Isopren Emissions from Plants.”

Timothy Zacharewski received \$25,000 from American Chemistry Council for “General Research in the Area of Toxicology.”

Fellowship Opportunities

Fulbright Fellowship Opportunities: The MSU Office of International Studies and Programs cordially invites graduate students and undergraduate students graduating in 2011 to attend a Fulbright/Fulbright-Hays DDRA Scholarship Program Informational Seminar on Monday, October 12, 2:00-4:00 p.m., 303 International Center. Seminar participants will learn about the objectives, requirements, and deadlines for each Fulbright Program as well as how to develop a competitive application; select a host country; and make necessary host country contacts. For more information please visit <http://us.fulbrightonline.org/home.html> or <http://www.ed.gov/programs/iegpsddrap/brochure-ddra.pdf>. You may also contact Frank M. D'Itri, MSU Fulbright Program Advisor, at ditri@msu.edu or 432-8244.

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

There are **two postdoctoral positions** available in the lab of Dr. Alexander Travis in the College of Veterinary Medicine at **Cornell University**. Dr. Travis recently received a grant to try to make an energy-producing platform for implantable medical devices. He's proposed a biomimetic strategy, copying the design of the glycolytic enzymes on the sperm fibrous sheath. They're replacing the germ cell-specific targeting domains (in those enzymes that have them) with tags that enable the enzymes to be tethered to a man-made surface and still remain functional. They've recently published a paper showing HK and GPI acting in series on the same surface. One of the postdoctoral candidates should have expertise in recombinant proteins and enzyme biochemistry, and the other should have expertise in surface attachment chemistries. For more information about both of these postings, please contact Dr. Travis at ajt32@cornell.edu or (607) 256-5613.

Travel Updates

Starwood Hotels and Resort and MSU Discount

Michigan State University has signed an agreement with Starwood Hotels and Resorts Worldwide providing MSU travelers with a 15% discount on their stays at Starwood properties. Starwood represents Sheraton, Four Points by Sheraton, W Hotels, Aloft, The Luxury Collection, Le Meridien, Westin, St. Regis, and Element by Westin. Please visit the following website for more information and instructions on how you may take advantage of this program:

<http://www.spgpromos.com/gsp/enrollink/index.cfm?set=334964&pcode=MCHU&company=Michigan%20State%20University&percent=B&tier=B>.



Preferred Travel Agencies

Michigan State University has two preferred travel agencies, Tower Travel Management and Passageways Travel, who are under contract to ensure that travelers are in compliance when international flights are being funded by federal monies. The service fees of \$49 - \$50 per ticket for agent assistance or \$15 - \$16 per ticket if booked utilizing either on-line booking tool, Get There or ResX, ensure that Michigan State University travelers are in compliance with the Fly America Act. Each international reservation is reviewed to ensure that if the travel is federally funded, the flights are in compliance with the Fly America Act. Further, the preferred travel agencies review the itinerary to ensure the lowest price is being offered.

Quote for the Week



The purpose of life is to live it, to taste experience to the utmost, to reach out eagerly and without fear for newer and richer experience.

~ Eleanor Roosevelt ~
