



The BMB Weekly Vol. 40, No. 41, October 8-12, 2007

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

Calendar

Monday, October 8

Animal Science and Food Science and Human Nutrition Seminar: Value-added meat processing for the 21st Century. Jason Sawyer, University of Arkansas, 9:00 a.m., 1310 Anthony Hall.

Chemistry Seminar: Precursor development for thin film growth by atomic layer deposition. Charles Winter, Wayne State University, 11:30 a.m., 136 Chemistry.

Plant Biology and Plant Research Lab Seminar: A 20-year study of the population ecology of a cryptic plant, Mead's milkweed: Population trajectories and estimates of survival and detection. Helen Alexander, University of Kansas, 4:00 p.m., 101 Biochemistry.

Physics and Astronomy Seminar: Single-molecule crystallography: Determining the structure of individual macromolecules. Abbas Ourmazd, University of Wisconsin-Milwaukee, 4:10 p.m., 1400 Biomedical and Physical Sciences.

The Graduate School Workshop: Putting your degree to work: Practical career strategies for Ph.D.s. Presented by Peter Fiske, RAPT Industries, 5:00-7:00 p.m., Big Ten B, Kellogg Hotel and Conference Center.

Tuesday, October 9

Statistics and Probability Seminar: Identification of a Markovian system with corrupted observations. V. Mandrekar, Michigan State University, 10:20 a.m., A405 Wells Hall.

CMB Program Research Forum: Daniel Nevarez, 1:00 p.m., 2245 Biomedical and Physical Sciences.

Chemistry Seminar: Fast magic angle spinning (MAS) in solid state NMR with application to fuel cell development. Matthew Nethercott, Michigan State University, 4:10 p.m., 136 Chemistry.

Microbiology and Molecular Genetics Seminar: Gonococcal nitric oxide respiratory and detoxification mechanism contribute to infection of primary cervical epithelial cells. Jennifer Edwards, Ohio State University, 4:10 p.m., 1415 Biomedical and Physical Sciences.

Wednesday, October 10

Ecology, Evolutionary Biology and Behavior Seminar: Rapid evolution of unprecedented ecological novelty in Hawaiian insects and its implications for conservation biology. Daniel Rubinoff, University of Hawaii, 3:30 p.m., 247 Plant Biology.

Thursday, October 11

Biochemistry and Molecular Biology Seminar: Probing flavoenzyme catalysis with correlated crystallographic, spectroscopic and computational methods. Allen Orville, Brookhaven National Laboratory, 11:30 a.m., 101 Biochemistry.

Animal Science Seminar: Using animal behavior to research livestock management and handling practices. Temple Grandin, Colorado State University, 10:30 a.m., 1310 Anthony Hall.

Neuroscience Seminar: Hormonal regulation and evolution of ion channels in electric fish: Saying it with electricity. Harold Zakon, University of Texas, 12:30 p.m., 1425 Biomedical and Physical Sciences.

Calendar continued

Thursday, October 11

Chemistry Seminar: Photosynthetic water splitting: Investigations by multifrequency pulsed EPR methods. David Britt, 4:10 p.m., 136 Chemistry.

Physics and Astronomy Seminar: Magnet reception in animal- discovery of the 6th sense. Walter Greiner, Frankfurt Institute for Advanced Studies, 4:10 p.m., 1415 Biomedical and Physical Sciences.

Friday, October 12

Science at the Edge: Interdisciplinary Physics Seminar: Ion-nucleic acid interactions: New insights from x-ray scattering experiments. Lois Pollack, Cornell University, 11:30 a.m., 1400 Biomedical and Physical Sciences.

Transcription Journal Club: Presentation by Yang Zhang, 12:00 noon, 502 Biochemistry.

Announcements

The Graduate School: Graduate Student Reception: A reception to honor all graduate students. You will have the opportunity to meet and network with graduate student organization leaders, faculty and administrators. \$100 drawings and prizes for graduate students only. **Thursday, October 18, 2007, 4:30-6:30 p.m., Big Ten Room C, Kellogg Hotel & Conference Center.** Please R.S.V.P. to gradwrsp@gmail.com or call 353-3262 by **October 12, 2007.**



The Graduate School: Securing academic positions workshop. **Saturday, October 27, 2007, 9:00 a.m.-3:30 p.m., MSU Union.** Presented by Dr. Tom Diets, Lansing Community College; Dr. Michael Stob, Calvin College; Dr. Fred Antczak, Grand Valley State University; and Dr. Karin Wurst, Michigan State University. This workshop will focus on academic cultures at a variety of institutions: community colleges, liberal art colleges, colleges with religious affiliations, universities with historically specialized missions, and research extensive universities. Registration begins at 8:30 a.m. Lunch will be provided. Students will have the opportunity to choose one of the following breakout sessions to attend:

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| Session A | Humanities Positions and Interviews (Parlor A) | Dr. Judith Stoddart (moderator) |
| Session B | Social Science Positions and Interviews (Parlor B) | Dr. Tony Nunez (moderator) |
| Session C | Natural Sciences Positions and Interviews (Green Room) | Dr. Rique Campa (moderator) |
| Session D | Education Position and Interviews (Gold B Room) | Dr. Randi Stanulis (moderator) |

For more information, please contact Dr. Rique Campa at campa@msu.edu or Dr. Judith Stoddart at stoddart@msu.edu. **Registration is required.** To register, please send an email to gradwrsp@msu.edu and include your name, department, email address, the name of the workshop, and the breakout session you would like to attend.

Hans Kende Memorial Lecture Series on Integrity and Mentoring in Research: Professor of Plant Biology, Hans Kende, was an MSU Distinguished Faculty Member, a member of the National Academy of Sciences, and a valued colleague (<http://www.prl.msu.edu/faculty-and-research/hans-kende/>). Dr. Kende chaired the *Research Mentoring Task Force* in 2004 that proposed guidelines for *Graduate Student Advising and Mentoring Relationships* (<http://grad.msu.edu/all/ris04relations.pdf>) and *Integrity in Research and Creative Activities* (<http://grad.msu.edu/all/ris04activities.pdf>) that were approved by the University Graduate Council and the Academic Council. In recognition of Dr. Kende's dedication and commitment to enhancing effective research mentoring at MSU, Dr. Ian Gray, Vice President for Research and Graduate Studies, and Dr. Karen Klomprens, Dean of the Graduate School, are sponsoring public lectures by nationally recognized speakers on integrity and mentoring in research. Receptions will follow the lectures to enable continued discussion of the issues raised by the speakers. The lectures are intended to address issues of importance to all disciplines and to all persons at MSU. **Registration is required.** To register, please send an email to gradwrsp@msu.edu and include your name, department, email address and the date(s) you would like to register.

October 24, 2007

3:30 p.m. – Big Ten B, Kellogg Center
Speaker: [Dr. Paul Friedman](#)
Professor Emeritus of Radiology
University of California, San Diego
“An Introduction to Integrity in Research”

March 18, 2008

3:30 p.m. – Big Ten A, Kellogg Center
Speaker: [Dr. Brian Martinson](#)
Senior Research Investigator
Health Partners Research Fnd., Minneapolis
“Scientists misbehaviors and their relationship with mentoring”

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

A **faculty position at the Associate or Full Professor level** is available with the Department of Chemistry at **University of North Texas**. The candidate must hold a Ph.D. in chemistry. Post-doctoral experience is preferred. The successful candidate is expected to establish a strong, nationally recognized research program that will attract major extramural funding in their respective area of expertise and will be allocated competitive start-up funds. The candidate should also have the ability to teach graduate and undergraduate courses in their field of specialization. The specific areas of research are open, but preference will be given to candidates having research interests that add to and complement the Department's Forensic program. For additional information, please contact Dr. Teresa D. Golden at ChemFacSearch@unt.edu.

For Fun

For those days when your thinking your job is just too tough...imagine having to exhale all the breath out of your lungs so you can squeeze between two pieces of equipment, surrounded by live steam pipes, with an average temperature in excess of 250 degrees Fahrenheit...



Quote for the Week

None of us will ever accomplish anything excellent or commanding except when he listens to this whisper which is heard by him alone. – *Ralph Waldo Emerson*
