



Please send submissions to: Katie Gallagher at [galla134@msu.edu](mailto:galla134@msu.edu) or 302B Biochemistry (mailbox on 2<sup>nd</sup> floor)

Vol.39, No. 48, November 27-December 1, 2006

## Calendar

### Monday, November 27

**Horticulture Seminar:** The influence of vegetable production systems on food quality current research and future opportunities. Xin Zhao, Kansas State University, 10:00 a.m., A279 Plant and Soil Sciences.

**Plant Biology Seminar:** Insights into the rice genome. Robin Buell, The Institute for Genomic Research, 11:45 a.m., 247 Plant Biology.

**Genetics Program Forum Seminar:** Genomics of a eukaryotic extremophile. Andreas Weber, Michigan State University, 12:30 p.m., 1425 Biomedical and Physical Sciences.

**Chemistry Seminar:** Scientific and technological opportunities of ultra-high density nanowire arrays. Dunwei Wang, California Institute of Technology, 4:10 p.m., 136 Chemistry.

**Plant Research Laboratory and Plant Biology Seminar:** Fungi, ecosystems, and global change. Kathleen Treseder, University of California, Irvine, 4:10 p.m., 101 Biochemistry.

### Tuesday, November 28

**Plant Research Laboratory Seminar:** Identification of putative components involved in bacterium- and PAMP-induced stomatal closure. Weiqing Zeng, Michigan State University, 12:00 noon, 168 Plant Biology.

**Chemistry Seminar:** Local potentials for nonlocal density functionals. Viktor Staroverov, University of Western Ontario, 4:10 p.m., 136 Chemistry.

### Wednesday, November 29

**Biochemistry and Molecular Biology Seminar:** The mechanism of ribonuclease III action: How dicer dices. Xinhua Ji, National Cancer Institute, 4:10 p.m., 101 Biochemistry.

**Pharmacology and Toxicology Seminar:** Neurogenic mechanisms of hypertension in the angiotensin II-salt model. Andrew King, Michigan State University, 12:00 noon, B448-449 Life Sciences.

**Ecology, Evolutionary Biology and Behavior Seminar:** The rhizosphere of cold seep tubeworms: Physiology, biogeochemistry and ecosystem engineering. Charles Fisher, Pennsylvania State University, 3:30 p.m., 247 Plant Biology.

### Thursday, November 30

**Chemistry Seminar:** Protein engineering: Probing the chemistry of living process. Jiangyun Want, The Scripps Research Institute, 1:30 p.m., 136 Chemistry.

**Epidemiology Seminar:** Do propensity score methods overcome bias in estimating average treatment effects in observational studies? Zhehui Luo, Michigan State University, 4:30 p.m., B616 West Fee Hall.

### Friday, December 1

**Science at the Edge:** Interdisciplinary Physics Seminar: Cell modeling and simulation. Steve Plimpton, Sandia National Laboratories, 11:30 a.m., 1400 Biomedical and Physical Sciences.

## Calendar continued

Friday, December 1

**Transcription Journal Club:** Presentation by **Barry Williams**, 12:00 noon, 502 Biochemistry.

**Chemistry Seminar:** Trace analysis of organophosphorus pesticides. Margaretta Dimos, Michigan State University, 12:40 p.m., 136 Chemistry.

**Strategic Partnership Grant Program, Office of the Vice President for Research and Graduate Studies, and Research Technology Support Facility Seminar:** Non-sanger sequencing and what it might do for biology. Stephen C. Schuster, Penn State University, 1:00 p.m., 1415 Biomedical and Physical Sciences.

**Plant Biology Seminar:** Managing plant diversity in agricultural grazing lands. Ben Tracy, University of Illinois at Urban-Champaign, 4:10 p.m., 101 Biochemistry.

## Announcements

**BMB Holiday Party:** Friday, December 8, 2006, 6:30 p.m., Food Safety and Toxicology Building Solarium. There will be a \$5.00 charge per adult, children are free. Donations of desserts or appetizers are welcome. Please sign up by stopping in to see Jessica Hudson in 212 Biochemistry by **December 1st**. Please provide the number of people attending, the names of children for Santa, and if you are bringing food or beverage. The Holiday Committee still needs help with decorations. If you have any holiday material you are willing to donate for use at the party, please contact Sean Law at [slaw@msu.edu](mailto:slaw@msu.edu). These will be returned the following week.

**Summer Research Program:** The Wright State University Boonshoft School of Medicine is offering a summer research program for undergraduate and graduate students from June 11-August 10, 2007. The program focuses on basic and disease-oriented cardiovascular research. The purpose of this program is to stimulate the interest of talented minority or disabled students in a career in biomedical research. The students participate in projects with School of Medicine faculty covering a wide spectrum of activities. The areas of focus are Cellular/Molecular Biology, Endocrinology/Hypertension, and Cardiovascular Epidemiology. The program includes participation in a research project, a seminar series, a journal club, career counseling and a research symposium where the students present their research findings. Further details of the program are located at <http://www.med.wright.edu/streams/>. For questions or more information, please contact Ms. Mary Key at [mary.key@wright.edu](mailto:mary.key@wright.edu) or call 937-775-2395.

**CIT Annual Research Evening:** On November 30th, the Center for Integrative Toxicology (CIT) will host its Annual Research Evening and would like to invite you to attend. This will be an opportunity to touch base with CIT faculty and fellow students in the graduate program in Environmental and Integrative Toxicological Sciences (EITS) and to become acquainted with the toxicology-related research that our students and postdoctoral fellows are doing campus wide. It is also a time to introduce first-year students enrolled in cooperating, disciplinary PhD programs to consider the EITS graduate program.

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

A **tenure-track assistant professor position** in physical chemistry is available in the Department of Chemistry at the **University of Wisconsin-Stevens Point**. The appointment will begin in August 2007. Individuals with expertise and experimental research interests related to biological areas are especially encouraged to apply. A Ph.D. is required and must be completed by September 2007. The successful candidate will teach courses in physical chemistry, biophysical chemistry, and general chemistry as needs require. Applicants must show promise for excellence in teaching and will be expected to develop a research program involving undergraduates. Screening will begin on January 3, 2007 and will continue until the position is filled. For more information, please visit <http://www.uwsp.edu/chemistry> or contact Dr. James Brummer at [jbrummer@uwsp.edu](mailto:jbrummer@uwsp.edu).

## Position Vacancies continued

Several **faculty positions** are available at the **John Innes Centre**. The John Innes Centre is one of the world's leading not-for-profit research institutes and is an independent, international center of excellence in plant science and microbiology grant-aided by the Biotechnology and Biological Sciences Research Council. Their mission is to carry out fundamental and strategic research, to train scientists and to make their findings available to society. Their research is organized into seven major programs: Biological Chemistry, Cell and Developmental Biology, Computational and Systems Biology, Crop Genetics, Disease and Stress Biology, Metabolic Biology and Molecular Microbiology. Research in these programs is supported by genomics, proteomic and metabolite analysis services, extensive plant and microbial growth facilities, comprehensive microscopy and protein structure facilities and expert bioinformatics support. For more information, please visit <http://www.jic.ac.uk> or contact Sue Riches at [sue.riches@bbsrc.ac.uk](mailto:sue.riches@bbsrc.ac.uk). **Application deadline is Friday, December 8, 2006.**

## Scholarships/Fellowships

**National Research Council (NRC) Postdoctoral Research Associateships** are available at the **National Institute of Standards and Technology (NIST)** for Ph.D. candidates who will graduate in 2007. NIST has facilities in Gaithersburg, Maryland, Boulder, Colorado, and Charleston, South Carolina. These research associateships are two-year appointments. These positions are highly competitive and have been attracting outstanding candidates. Typically, 40-50 of these associateships are awarded each year at NIST in all areas of research including chemistry, physics, materials science, engineering, and mathematics. During the past several years typically 4-8 applicants to the Analytical Chemistry Division have been successful in obtaining these postdoctoral appointments. For more information, please contact Lane Sander at [lane.sander@nist.gov](mailto:lane.sander@nist.gov) or call 301-975-3117.

A **postdoctoral fellowship** opportunity is available at the **University of Illinois at Chicago**, an NSF ADVANCE awardee, through the Women in Science and Engineering System Transformation (WISEST) Program. Their goal is increasing the number, participation, and leadership status of women in academic science and engineering. A significant component of this effort is a two-year postdoctoral fellowship designed for underrepresented minority women who have recently earned their PhDs in the natural sciences, engineering, or mathematics. This research-focused fellowship, which has been developed in partnership with the National Postdoctoral Association, will mentor women scholars and help them prepare for faculty careers. They are seeking up to five individuals who will start their two-year fellowships in August of 2007. This unique opportunity surpasses traditional postdoctoral research experiences, and expressly focuses on the development of future faculty. Key components include tailored mentoring, and active participation in every aspect of academia: research, teaching, the peer review process, grantsmanship, and networking. Applications will be accepted until the positions are filled. For more information, please visit the WISEST website at <http://www.uic.edu/orgs/wise/wisest.htm> or contact Claudia Morrissey at [morrisse@uic.edu](mailto:morrisse@uic.edu).

## Quote for the Week

Wit is so shining a quality that everybody admires it; most people aim at it, all people fear it, and few love it unless in themselves. – *Lord Chesterfield*

---