

Interdisciplinary Graduate Studies in BioMolecular Science



BIOMOLECULAR SCIENCE WEEKLY

February 12-16, 2018

Calendar:

Monday, February 12:

BMS Research Forum: Mitch Roth, Chilver Lab, "Risk Factors Associated With the Development of Soybean Sudden Death Syndrome"; 12:00-1:00 PM; 162 Food Safety

MMG WiPS Seminar: Nkrumah Grant, Lenski Lab, "Aerobic fitness increases in long term evolution experiment with *E. coli*." And Taylor Dunivin, Shade Lab, "A meta-analysis of microbial arsenic resistance genes across soils"; 12:00 PM; 1425 Biomedical Physical Sciences

MPS Seminar Series: Jean-Michael Ane, University of Wisconsin – Madison; "Evolution and Engineering of Plant-Microbe Symbioses"; 4:10 PM, 101 BCH

Tuesday, February 13:

MMG Seminar: Dr. Danielle Garson, University of Texas Health Center, "Interkingdom Interactions of *Enterococcus faecalis*"; 11:00 am, 101 Biochemistry

BMB Seminar: Dr. Danhua Jiang, Gregor Mendel Institute, Vienna, "Vernalization and epigenetic inheritance: how plants remember winter to flower"; 9:00 am, 1415 BPS

Wednesday, February 14:

BMB Seminar: Dr. S Saif Hasan, Purdue University: Department of Biological Sciences, "Neutralization of Enveloped Viruses: Structure Dictates Success"; 9:00 am, 1425 BPS

CMB/ Genetics Research Forum: Bradley Abramson, Ducat Lab; "Carbon Partitioning in Engineered Cyanobacterium for the Study of Feedback Inhibition of Photosynthesis" and Jeff Schachterle, Sundin Lab; Transcriptions of Bacteria Inside of a Plant: What is *Erwinia amylovora* Really Doing During Fire Blight Disease Development?"; 12:00-12:30 PM; 1425 BPS

Thursday, February 15:

EEBB Seminar: Mark McPeck, Dartmouth University; 3:30 PM, 1420 BPS

Announcements:

Graduate Student Life & Wellness Events

If you have already registered for Fall 2017 group fitness classes, you do not need to re-register for Spring 2018 group fitness classes. There will be no schedule changes to the weekly schedule - the same 9 classes will be offered in the same 9 time slots.

If you are interested in signing up for Spring 2018 group fitness classes, please see the following link: https://docs.google.com/forms/d/e/1FAIpQLSc9TdFcEdszFqeqc8WsAjm9hp9MwS6J9fCKFi5fqffnGWo1Zg/viewform?usp=sf_link

Midwest Chromatin and Epigenetics Meeting

June 10-12; Purdue University

The 2018 Midwest Chromatin and Epigenetics Meeting will bring together more than 200 scientists from the American Midwest who study transcription, chromatin biology and epigenetics. The meeting provides an excellent opportunity to share scientific insight, foster the exchange of new ideas and to enhance collaboration.

The MCEM program will include a Keynote Seminar by Prof. Karolin Luger, Univ. Colorado Boulder, invited speakers, selected speakers from submitted abstracts, and a poster session. The MCEM 2018 program will provide opportunities for postdocs, graduate and undergraduate students to present their research and are highly encouraged to attend.

Session topics: Transcription and Gene Expression, RNA-Dependent Epigenetic Regulation, Chromatin Remodeling and Structure, Nucleic Acid Modifications and Chromatin Biology, Histone Modifications and Binding Proteins, Plant Chromatin Biology, or Epigenetics in Development and Disease.

Job Opportunities:

Postdoctoral Position in Epigenetics and siRNA Function

Postdoctoral positions to explore X chromosome recognition during *Drosophila* dosage compensation are available at Wayne State University in Detroit, MI. NIH funded projects focus on siRNA-mediated regulation of chromosome architecture and the genetics of X recognition (see: PNAS, 111, 16460-65; Curr. Biol. 27, 1393-1402). In addition to conducting research, successful candidates are expected to write manuscripts, attend meetings and mentor students of all levels. Priority will be given to candidates with strong communication skills. Highly motivated researchers with strong records of scientific accomplishment and a recent PhD in genetics, epigenetics, biochemistry, small RNA biology or nuclear structure are preferred. Competitive salary and benefits are available, and compensation will be commensurate with the NIH scale. Detroit offers a diverse community of fly researchers in a vibrant, international and affordable city. Please send CV, research summary and names of three references to Dr. Victoria Meller, Department of Biological Sciences, Wayne State University, Detroit MI 48070 (vmeller@biology.biosci.wayne.edu).

Molecular Bacteriology and Immunology Faculty Positions

The Department of Microbiology & Immunology at the University of Texas Medical Branch (UTMB), Galveston, is seeking to recruit tenure-track faculty at the academic rank of Assistant, Associate or Full Professor with MD, PhD, DVM or equivalent degrees. The preferred research areas of bacteriology include bacterial genomics, virulence, antibiotic resistance, and microbiomes. The preferred research areas of immunology include the molecular basis of innate and adaptive immunity to pathogen infection and autoimmune diseases. The successful candidates should be highly productive with an established record of extramural funding or the potential to establish robust, funded research programs in the desired research areas. The successful applicant should be amenable to collaborative studies with other investigators studying the pathogenesis of infectious diseases, as well as teaching and mentoring graduate and medical students. Salary and academic rank are commensurate with experience, and an excellent benefits and start-up package is offered.

UTMB has several highly interactive research centers, biomedical institutes, and a national biocontainment laboratory with excellent infrastructure to conduct research at BSL2, -3 and -4 on diverse animal models of infectious diseases. The Department, with 31 full-time faculty members, is ranked among the top of its peer departments in NIH funding. Interested candidates should send their curriculum vitae, a statement of personal and academic goals, and names of three references electronically to:

Lynn Soong, MD, PhD, Vice Chair for Research
Professor, Department of Microbiology & Immunology
lysoong@utmb.edu

UTMB Health is an Equal Opportunity, Affirmative Action Institution, which proudly values diversity. Candidates of all backgrounds, including persons with disabilities, are encouraged to apply.

Scholarships & Fellowships:

Future Academic Scholars in Teaching (FAST) Fellowship

Applications are now being accepted for the **Future Academic Scholars in Teaching (FAST) Fellowship Program** for the 2018-2019 academic year. The FAST Program is for doctoral students with interests in teaching, learning, and assessment in higher education who are enrolled in programs associated with the Colleges of Natural Science, Agriculture and Natural Resources, Engineering, Social Science, and Veterinary Medicine or whose college or department has an approved Certification in College Teaching Program. This program was developed in response to the national need to prepare future faculty for the changing needs and expectations in science, technology, engineering, and mathematics education. FAST also complements the efforts of the CIRTL (Center for the Integration of Research, Teaching, and Learning) project (an **NSF and Graduate School funded** project involving MSU and 42 other research-intensive universities).

The primary goals of the FAST Fellowship Program are to provide opportunities for a diverse group of doctoral students to have mentored teaching experiences and gain familiarity with materials on teaching and assessment techniques (<http://grad.msu.edu/fast/>). For further information, please see the attached Program Description and Application Form and/or the website.

Applications are due: **March 23, 2018.**