Save The Date:

BMS Recruitment Weekends: February 8-10 and March 8-9
Current graduate students and faculty, please set aside some time during these dates to assist/volunteer with recruiting events and social activities. If you are able to volunteer and have not already received a notice, please respond to bmsgrad@msu.edu with your availability.

Calendar:

Monday, February 5:
**MMG Seminar:** Dr. Darian Van Tyne, Harvard.Mass. Eye & Ear, “Functional genomics of drug-resistant superbugs: From the 1980s through today”; 8:30 am, 1425 BPS

**BMS Research Forum:** Di Zhang, Sundin Lab, “Small RNA ArcZ Regulates Virulence in Plant Pathogen *Erwinia amylovora*”; 12:00-1:00 PM; 162 Food Safety

**MMG WiPS Seminar:** John Guitar, Shade Lab, “Trait-based community assembly and succession in the infant gut”; 12:00 PM; 1425 Biomedical Physical Sciences

**Department of Entomology Seminar:** Phil Torres, Simmons Speaker, “Communicating science and navigating your career with the least charismatic, most biodiverse, and most-likely-to-be-squashed animals by your side”; 4:00 PM; 244 Natural Science

Tuesday, February 6:
**MMG Seminar:** Dr. Jim Imlay, University of Illinois, “Molecular Explanations for the toxicity of oxygen”, 11:00 am, 101 Biochemistry

**BMB Seminar:** Dr. Adam Steinbrenner, University of California, San Diego, “Immune recognition of herbivore-associated cues by plant membrane receptors”, 9:00 am, 1415 BPS
Wednesday, February 7:

3M Interest Group: Paula Rosczczenko-Jasinka, Martinez-Gomez Lab; “Knocking on Bacteria’s Door: Insight Into Uptake of Lanthinides by Methylotrophs”; 4:00-5:00 PM; ICER Conference Room, BPS

CMB - Genetics Research Forum: 12:00-12:30 PM; 1425 BPS

Thursday, February 8:

Tea at Three on Thursdays: 3:00 – 3:30 PM; Common hallway near the Waters Lab

BMB Colloquium Series: Jack Johnson, The Scripps Research Institute, Biophysical Studies of an RNA Virus Particle and its Maturation: Insights into an Elegantly Programmed Nano-machine; 11:00, 101 Biochemistry

Physiology Seminar: Sudin Bhattacharya, Pharm Tox, Biomedical Engineering, “Critical State Transitions: Towards Predictive Systems Toxicology”, 4:00 PM; 1425 BPS

EEBB Seminar: Scott Fulbright & Scott Butterfield, CEO Livining Ink Technologies & The Nature Conservancy, “Careers Outside of Academia”; 1420 BPS

Friday, February 9:

Science at the Edge: Simon Kuhn, Department of Chemical Engineering, University of Leuven; “Electrification of Chemical Industry: Novel Photochemical Reactors for the Synthesis of Fine Chemicals and Pharmaceuticals”; 11:30 am; 1400 BPS

BEACON Seminar: Rosangela Canino-Koning; “Preliminary Work: Does Horizontal Gene Transfer Enable the Evolution of Sex?”; 3:30 PM; BEACON conference room

Announcements:

Graduate School Workshops
Managing Your Digital Presence
Wednesday, February 7th, 2018, 5:30-7:00pm, 110 Chittenden Hall
Your online presence, or lack thereof, in today's job market can mean the difference between getting a job or not. This workshop will help graduate students and postdocs enhance their ability to communicate their professional strengths clearly and coherently across digital platforms.
Registration is required. Visit grad.msu.edu and click “Workshops/Events” under Professional Development to register.

Graduate Student’s and Postdoc’s Guide to Personal Finance
Friday, February 9th, 2018, 10:00-11:30am, 115 International Center
Would you like to learn to manage your money better in graduate school and beyond? Do you find yourself struggling financially, living paycheck to paycheck in graduate school and without any money in your savings account at the end of the month?
Dr. Emily Roberts believes that graduate students who receive stipends and post-docs can improve their finances during their training and do not have to defer financial success until they start their “real jobs.”
To that end, her presentations are specifically tailored to teach PhDs-in-training how to manage their cash flow and reach financial goals even on their small incomes. By working on your finances during your training, you will reduce your stress around money, increase your net worth, develop positive financial habits, and prepare to transition to your next position. This foundation will set you up for a lifetime of financial success.

Having the knowledge, ability, and skills to manage your money plays a critical role in life success and not having enough of it impacts health as well as academic performance. Financial stress continues to be a common source of stress, anxiety and fear for graduate students. Keeping track of expenses, making a budget, and sticking to it are important skills to have in order to be financially responsible and independent. Learning how to maximize your financial wellness now will help you feel prepared to handle potentially stressful financial situations in graduate school and in life.

Registration is required. Visit grad.msu.edu and click “Workshops/Events” under Professional Development to register.

**Ninth Annual Midwest Graduate Research Symposium (MGRS)**
The University of Toledo Graduate Student Association (GSA) cordially invites students from Michigan State University to the 9th Annual Midwest Graduate Research Symposium (MGRS). We would like to thank you in advance for your commitment to promoting student research and communicating this event to your student body. Each year we are excited to provide this opportunity to talented graduate students across the country and are looking forward to April 7th, 2018. The 9th Annual MGRS will be held at the University of Toledo’s Memorial Field House and Student Union. This all-day, multi-disciplinary, multi-university symposium aims to foster intercollegiate relationships, collaboration, and professional development. Scheduled events include oral and poster presentations, professional development workshops, a Q&A session, an awards ceremony, and will end with dinner and a keynote address. Last year’s event included students and judges from 16 universities totaling close to 400 people in attendance.

Online registration is currently open and will be **free** to all students until **March 10th, 2018**. Interested graduate students should register as a presenter. We would also like to inform your students that Dr. Clinton O. Longenecker, a distinguished professor from University of Toledo’s College of Business and Innovation, will be the Keynote Speaker for the evening. Due to growing interest, we are offering a limited number of registration spots for undergraduate students. This is a unique opportunity for mentorship, networking, and exposure to future research opportunities in many respected fields. The first 50 undergraduate students may register as an attendant.

This year’s symposium offers several competitive awards sponsored by the Toledo GSA and a variety of other organizations. Sponsors from last year included the AWIS award to honor the top women presenters in STEM-related research, the Sigma Xi award recognizing student excellence in scientific research, the Lake Erie Center award for student research in aquatic science and related fields, the Kappa Delta Pi Education award recognizing excellence in education-related research, among others. Please refer your students to our website for additional information about the available awards and additional information regarding MGRS.

https://graduatetestudentassociationblog.wordpress.com/midwest-graduate-research-symposium/
Science Debate Student Group
Science Debate is a nonprofit nonpartisan organization dedicated to encouraging politicians to give their thoughts on science policy topics. Come engage in science-policy discussions followed by an opportunity to participate in a phone bank. All resources for successful political engagement will be provided.

Email dunivint@msu.edu or koenigam@msu.edu with questions, or visit sciencedebate.org for more information.

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/1FAIpQLSc9TdFcEdszFqeqc8WsAjm9hp9Mw56J9fCKFj5fQuGq2Z/0 Prize 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:
Assistant and Associate Professor in Molecular and Cellular Biology, University of Alberta
We invite applications for two tenure-track positions at the Assistant or Associate Professor level in molecular and cellular biology. Candidates with a demonstrated publication record and research expertise in prokaryotic and/or eukaryotic systems and a strong interest in undergraduate education are encouraged to apply. We are interested in applications from excellent candidates who study any aspect of molecular and cellular biology using diverse experimental approaches. Current areas of Departmental expertise in molecular and cellular biology include molecular genetics of model systems, microbiology, comparative immunology, developmental biology, physiology, and neurobiology.

More information: http://www.careers.ualberta.ca/Competition/A106134577/
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.
Advanced Computing for Earth Sciences (ACES) summer school/paid internships

Advanced Computing for Earth Sciences (ACES) – sponsored by the University of Virginia Advanced Research Computing Services (ARCS) group, NASA, and UVA’s Department of Environmental Sciences – is an exciting opportunity for students interested in computational modeling for atmospheric, ocean, climate, geophysical, and other Earth sciences. Students enrolled in the ACES program acquire hands-on application computing experience as well as training in the essentials of software engineering and high-performance computing. This is the final year the ACES program will be offered, so if you have been thinking about applying, now is the time to do it!

A total of 20 students will be selected to attend the summer school on Grounds at the University of Virginia. They will then be placed in 8-week paid internship programs at various NASA research centers across the country. Some previous programming experience is helpful but is not required. Students with advanced computer science skills who are interested in applications for Earth sciences are also encouraged to apply. Those admitted to the summer school will be provided with housing, two meals per day during the work week, and a generous stipend for all other meals. Travel expenses are covered within reason. Only U.S. citizens are eligible to apply. We accept graduate students and undergraduates who will be completing their third or fourth years of study.

Important Dates for ACES 2018:
Application Deadline: March 1
Summer School: May 30-June 15
Internships: June 18-August 10

APPLY TODAY!
arcs.virginia.edu/aces
Like us on Facebook!

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/](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.**