BioMolecular Science Weekly  
September 23-27, 2019

Calendar:

Monday, September 23th
WiPS; 12:00PM; 1425 BPS
Heather Miller; Schrenk lab; “The microbial ecology of actively outgassing arc volcanoes influenced by deeply sourced carbon”
Jennifer Kirk; Walker/Kashefi lab; “Isolation and characterization of a novel Trichococcus sp. from tree hole sediment”

BMS Research Forum; 12:00PM-1:00PM; 162 Food Safety Building
Graciellou Klingner, BMB; E. Hegg Lab; “Ether-Splitting Thiols: Applications in Lignin Depolymerization”

Tuesday, September 24th
MMG Seminar; 4:10PM; 1415 BPS
Dr. Amanda Brown, Texas Tech University; “Genomics of convergence and replacement in ecdysozoan symbioses”

Wednesday, September 25th
CMB/GGS Research Forum; 12:00PM-1:00PM; 1425 BPS
Laura Harding, Katerina Lay-Pruitt, Yasir Nawaz, Jake Reske, Donghee Hoh, Sean Nguyen, Ana-Maria Raicu, Aaron Wasserman, Sarah McNitt; CMB & GGS; Research Rundowns
The 3M Interest Group; 4:00PM-5:00PM; 1425 BPS
Jason Schrad; Parent lab; “Dropping Acid Makes You See Stars”

Pharm Tox Seminar; 12:00PM-1:00PM; B448 Life Science
Shelley Tischkau (Southern Illinois University) Seminar

Thursday, September 26th
BMB Colloquium Series; 11:00AM; 101 Biochemistry
Yuan Chen, Beckman Research Institute; “Ubiquitin-like Modifications as Targets for Cancer Therapy”

Ecology, Evolutionary Biology, and Behavior Seminar; 3:30PM; 1420 BPS
John Orrock Department of Zoology; “Plant induced defenses generate benefits by increasing cannibalism among herbivores”

Department of Epidemiology and Biostatistics Seminar; 3:30PM; C120 Fee Hall
Raina Fichorova, MD, PhD; "From maternal immunobiome to child health outcomes – lessons from the ELGAN study"

Department of Physiology Seminar; 4:00PM; 1425 BPS
Haining Zhong, PhD; "Imaging neuromodulatory PKA signaling in space and time"

Friday, September 27th
Science at the Edge; 11:30AM; 1400 BPS
Sheila Teves, Department of Biochemistry and Molecular Biology, University of British Columbia; “Transcriptional Memory and Dynamics in Embryonic Stem Cells”

BEACON Friday Seminars; 3:30PM; BEACON Conference Room
Alita Burmeister; Yale
New Student Spotlight:

Sierra L. Boyd

Sierra graduated from Michigan State University in May of 2019 with a Bachelor of Science degree in neuroscience and a minor in pharmacology and toxicology. Throughout her undergraduate career, she worked at both Northern Biomedical Research and the MSU In Vivo facility testing various therapeutic compounds. Specifically, she was tasked with investigating and evaluating the delivery of gene therapy products, antisense therapies, and proteins to the central nervous system for various neurodegenerative diseases. In addition, she has also worked as a research fellow at the University of Michigan studying the impacts of sympathetic activation on the protein Synaptotagmin-7 in chromaffin cells. Currently, Sierra is a first year Ph.D. student studying pharmacology and toxicology in the Translational Neuroscience department in Grand Rapids in the BioMolecular Sciences program. When not at the lab bench, Sierra enjoys skiing, traveling, hiking, mountain biking, and camping.

Announcements:

Events at the Grad School, register at https://grad.msu.edu/events

Writing Proposals for International Dissertation Research Grants
Saturday, September 21, 2019 4:30PM-6:30PM, Berkey Hall 457
Open to all MSU graduate students (US and foreign) planning proposals for funding dissertation or pre-dissertation research abroad for deadlines in 2019 or 2020 - especially the IIE Fulbright, Fulbright-Hays Doctoral Dissertation Abroad, NSF, SSRC, Ford Minority Fellowships, and MSU and other grantors. For more information go to https://grad.msu.edu/events/writing-proposals-international-dissertation-research-grants-0

Navigating the Master's Degree
Friday, September 20, 2019 9:00AM-1:00PM, The Writing Center
This interactive writing workshop is designed to help students develop an individualized plan for understanding graduate school more generally and graduate writing more specifically. It is intended for students in both the early and latter years of their master's degree study. For more information and to register go to https://grad.msu.edu/events/navigating-master%E2%80%99s-degree-workshop-0

Developing Conflict Management and Communication Skills in Research Teams
Friday, September 20, 2019 9:30AM-12:00PM, MSU Union (MSU Room)
This is an interactive workshop that teaches communication skills and how to use them to set expectations jointly following an interest-based approach of negotiating. The workshop is free and open to all graduate students, postdocs and faculty, but registration is required. To register go to https://grad.msu.edu/events/developing-conflict-management-and-communication-skills-research-teams

2019 Leadership Summit: Reimagining Leadership For Graduate Student By Graduate Students
Saturday, September 21, 2019, 8:30AM-4:30PM, Engineering Building Room 1145
An intense, one-day leadership development event, open to all graduate, graduate professional students, and post-docs. The goal of the Summit is to empower graduate students to take a proactive approach to their leadership development so they may make a difference at MSU and in the world. This workshop has a $10 fee. Registration is open until September 18. For more information go to https://grad.msu.edu/events/2019-leadership-summit-reimagining-leadership-graduate-student-graduate-students
Announcements Continued:

Photobiomodulation: The Medical Frontier Far Beyond Arthritis and Wound Healing; The Power of Light in Treating Metabolic Disease

Sunday, September 21, 2019, 9:30AM-1:30PM, G150 MSU College of Veterinary Medicine

Dr. Ronald Hirschberg is a Medical Director of the Brockton Animal Hospital, a full-service veterinary referral hospital in Brockton, Massachusetts. "Gaining insight into the science of Photobiomodulation (principles and mechanisms) Medical application of Photobiomodulation Therapy. (PBMT)" For more information and to register go to https://cvm.msu.edu/events/photobiomodulation-the-medical-frontier-far-beyond-arthritis-and-wound-healing-the-power-of-light-in-treating-metabolic-disease

Genomics Core Seminar

Wednesday, September 25, 2019, 9:00AM, 162C Food Safety

Genomics Core Seminar: Dr. Konstantinos (Gus) Potamousis, Strategic Account Manager, Oxford Nanopore Technologies; “Overview of recent advances in Nanopore Sequencing and the applications it is enabling”

Introduction to R/R Studio

Monday, September 23, 2019, 6:00PM-7:30PM, 1425 BPS

“Learn how you can save time and increase your productivity by using R for your quantitative analysis! Everyone is welcome to attend, including women, LGBTQ+, and men. As a diversity initiative, the mission of R-Ladies is to achieve proportionate representation by encouraging, inspiring, and empowering people of genders currently underrepresented in the R community. We encourage leadership by gender minorities and participation by all.” To RSVP go to https://www.meetup.com/rladies-eastlansing/events/264340414/

Graduate Women in Science Undergraduate Mentoring Program

Thursday, September 26, 2019, 5:30PM-7:00PM, 2245 BPS

Dr. Beronda Montgomery; “Discovering and developing your mentorship philosophy”; Join us for an interactive presentation about what it means to be a mentor and how to develop your mentor philosophy. All graduate students and post docs are invited!

The Plant Resilience Brown Bag series, Thursday September 26 from 1-2PM in PLB 168.

Alan Yocca will give a 20 minute presentation on the “Evolution of Conserved Noncoding Sequences”, and Rose Marks will give a 20 minute talk on "Ecophysiology of the South African resurrection plant Myrothamnus flabellifolia." Contact Robin Buell for more information (buell@msu.edu)

Optimizing Mentoring Relationships to Promote Diversity and Research Excellence

Friday, September 27, 2019 10:00AM-2:00PM, Chittenden Hall Room 110

Graduate students and postdoctoral fellows will gather to discuss challenges and strategies with respect to relationships with mentors; identify the domains of professional development in which they need mentoring; and learn about evidence-based practices for navigating mentoring relationships. Important connections to diversity and inclusion and research integrity will be integrated into this program. For more information and to register go to https://grad.msu.edu/events/optimizing-mentoring-relationships-promote-diversity-and-research-excellence-1

Brown Bag Seminar Series

Thursday, September 26, 2019, 1:00PM-2:00PM, 168 PLB

Alan Yocca will give a 20 minute presentation on the “Evolution of Conserved Noncoding Sequences”, and Rose Marks will give a 20 minute talk on "Ecophysiology of the South African resurrection plant Myrothamnus flabellifolia." For more information contact Robin Buell: buell@msu.edu

Job Postings:

Dr. Swati Sharma is seeking a postdoctoral research position at Michigan State University; her graduate studies involved "Serotyping and association study of innate immune response related gene polymorphism in dengue virus in North India" from Amity University, India. She has experience in molecular techniques, and cell and virus culture, and has a number of first author publications. She recently moved to East Lansing, and can speak with you more about a possible position. Please contact her at ss737952@gmail.com for more information.
Scholarships/Fellowships:

Fellowship Opportunities
The Graduate School has several fellowships with applications open. To view more fellowship options please visit https://grad.msu.edu/msu-graduate-school-fellowships

Hazel and Karen Kiser Scholarship Fund for Returning Adult Students
Selection Criteria: Adult students with dependents who have experienced divorce or the loss of a spouse and are returning to Michigan State University to pursue an advanced degree. Student must be enrolled for SS20.
2019-20 Total Amount: $3,100; can be split between students. Will be awarded SS20. 
GAADs – Please notify the Graduate School if you have a potential recipient by September 23.
Information needed: Student’s Name, number of dependents, and a paragraph describing the student’s academic standing.

Carol and Michael LeMense Family Endowed Graduate Fellowship
Selection Criteria: Graduate student who graduated from a US public high school and demonstrated academic excellence in their undergraduate studies. Applicants may be pursuing a degree in the following disciplines:

Education: preference to be given to those who currently teach S.T.E.M subjects (i.e. classroom teachers returning for a Masters or PhD) Healthcare: this includes students in healthcare related fields, i.e., medical, nursing, pharmacy, and public health. Engineering: students who are pursuing an advanced degree in bioengineering.

Application available at https://grad.msu.edu/lemense; Application due September 23, 2019
TWO awards available for 2019-20 for $2,200 each.

Barbara Stewart Thomas and Jim Thomas Graduate Fellowship
Selection Criteria: Graduate students with preference given to non-traditional graduate students. Recipients should demonstrate their commitment to fighting society’s “isms” – including sexism, racism, and ageism – and their motivation to seek opportunities to further their own intellectual progress and the cause social justice.
Application available at https://grad.msu.edu/thomas; Application due September 23, 2019
2019-2019 Spending Amount: $1,300

COGS Disciplinary Leadership Award
Eligibility and description of the program: Graduate students regularly (not provisional or lifelong) enrolled in a graduate or grad-professional program (not a certificate program only) at MSU and who are in good standing in their programs may apply. Faculty or others are encouraged to nominate a graduate student. Students must be enrolled for the minimum credits to be in full-time status or provide a justification for less than full-time status.
Consideration will be given to students who have clearly demonstrated leadership in their respective disciplines and/or professional societies at the local, state, regional, national, or international levels while a student at MSU.
Application available at https://grad.msu.edu/cogs; Application due September 23, 2019
2019-20 Spending Amount: $10,000 for multiple students. For additional information see https://grad.msu.edu/msu-graduate-school-fellowships or contact Mikala Rioux at 517-353-3231.

University Outreach and Engagement Educational Programs for FS19
UOE is offering several events for FS19 targeted to graduate students (as well as faculty and academic staff). The following links have additional information and registration information.

CES Write Ins--Oct 4, Nov 1, Dec 6
CES Writing Retreat--Oct 17 & 18
Community-Engaged Research: Getting Started--Oct 23
Training Researchers to Inform Policy Workshop--Nov 7
Representing Community Engaged Work on your CV, portfolio, and other professional materials--Nov 15. This is part one of a three part series (the other two sessions will be in the spring).