Calendar:

Monday, March 18th
BMS Research Forum, 12:00 PM; 162 Food Safety
Jose Rodrigues, MMG, Manning Lab, "Antibiotic Resistance in Campylobacter Jejuni"

MMG WIPS Seminar, 12:00 PM; 1425 BPS
Russell Fling, Zacharewski Lab, "2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) dysregulation of hepatic one carbon metabolism during the progression of steatosis to steatohepatitis with fibrosis in mice"
Joshua Franklin, Dufour Lab, "How Many is Too Many? The Cost of Flagella in Salmonella enterica"

Dissertation Annoucement of Laura Kirby, 1:00 PM, 1425 BPS
MMG, "Pervasive Alternative RNA Editing in Trypanosoma brucei"

Entomology Seminar Series; 4:00 PM; 244 Natural Science
Scott McArt, Cornell University, "Pesticides, pathodgens, and pollinator declines: What do we know?"

Tuesday, March 19th
MMG Seminar, 4:10 PM, 1415 BPS
Dr. Kevin Wood, University of Michigan, "Collective antibiotic resistance and evolution in microbial communities"

Wednesday, March 20th
Genetics/CMB Research Forum, 12-1:00 PM, 1425 BPS
Ripla Aurora, Faculty Talk

The (3M) Interest Group, 4:00 PM, 1455A BPS
Dr. Heedeok Hong, "The role of cavities in the stability and function of membrane proteins"

Thursday, March 21st
EEBB Seminar, 1420 BPS, 3:30 PM
Tawny Mata, Director of Strategic Engagement at The Nature Conservancy, "The power, and the limitations, of a scientific mind in a political world"

BMB Colloquium Series, 11:00 AM, 101 Biochemistry
Wolfgang Busch, Salk Institute, "Digging Deeper: Uncovering Genetic Variants and Their Mechanisms That Govern Root Growth"

Epidemiology and Biostatistics Seminar, 3:30 PM, C102 Fee Hall
Dr. Daniel Schaid, Professor of Biostatistics, Mayo Clinic, "Statistical methods for analyzing genetic pleiotropy (one gene to many traits)"

Horticulture and Plant, Soil & Microbial Science Seminar, 4:00 PM, A149 Plant & Soil Sciences
Dr. Tom Sharkey, "Recent Insights into the Calvin-Benson Cycle and Related Metabolism of Photosynthesis."

PhD Dissertation of Daniel Parrell; 1:00 PM; 208 Biochemistry
MMG, "Role of ATP in Regulated Intramembrane Proteolysis of Pro-6K by SpoIVFB during Bacillus subtilis Sporulation"

Friday, March 22nd
Science at the Edge Seminar, 11:30 AM, 1400 BPS
Marius Pachitariu, Janelia Research Campus, Howard Hughes Medical Institute, High-Dimensional Problems in Neuroscience

BEACON Seminar, 3:30 PM, BEACON Conference Room in BPS
Murielle Alund, MSU, "Anti-predatory behavior, sensory systems and brain transcriptomics in Icelandic threespine stickleback adapting to turbid environments"

Pharm Tox Drug Discovery Seminar; 9:00-10:00 AM; b448 Life Science Building
Dr. Neal Hammer, MSU, "Exploiting Staphylococcus aureus scavenging of host fatty acids to augment antibiotic therapy"

Proposal Defense with Ph.D. student Jasiel Strubbe
12 PM, B448 Life Science Building
Announcements:

**Genetics Symposium!**

May 7, 8:00am – 5:30pm

The 2019 Genetics symposium theme is "Epigenetic Stress Memory". There is no charge for this event and lunch will be provided. Program and registration information is available at [https://genetics.natsci.msu.edu/events/symposia/2019-epigenetic-stress-memory/](https://genetics.natsci.msu.edu/events/symposia/2019-epigenetic-stress-memory/)

**MSU RDSP Save the Date!**

Distinguished Lecture by Dr. Patricia Hunt, Professor of Molecular Biosciences, Washington State Univ.

Monday, May 6, 2018; 12:00-1:00 PM; 1279 Anthony Hall

**Call for Judges for the University Undergraduate Research and Arts Forum on April 5th**

Click this link to see our SignUp for:

POSTER Presentations: [http://signup.com/go/ONeWWXJ](http://signup.com/go/ONeWWXJ)

ORAL Presentations: [http://signup.com/go/GoJiyQT](http://signup.com/go/GoJiyQT)

Review the options listed and choose the spot(s) you like. We have over 400+ spots available!

Sign up! It's Easy - you will NOT need to register an account or keep a password on SignUp.com.

**Writing Cowork hosted by Graduate Women in Science**

Graduate Women in Science is putting on a Writing Cowork on April 3rd and April 17th from 2-4p in BPS2245 (otherwise known as the Fish Bowl). Whether you are a post-doc, graduate student or visiting scholar,...if you need to schedule some time to get that manuscript or prelim writing done please come join us and we can write together over coffee, tea and snacks!!!!

**Events at the Grad School, register at [https://grad.msu.edu/events](https://grad.msu.edu/events)**

**Communication in STEM: How to Engage Your Audience; Room 337 Case Hall**

This workshop will introduce strategies for engaging audiences of any type through effective verbal and nonverbal communication and provide opportunities to practice the strategies through hands-on experiences. Even though this workshop targets STEM students, non-STEM students are also welcomed. This workshop is offered on three dates: March 14, March 19, March 20

**Personal Finance for Graduate School, Wednesday, March 20, 2019 - 6:00pm to 8:00pm; Chittenden Hall, Room 110**

This session will explore the basics of maximizing your finances during graduate school. For more information, click here.

**RCR: Use of Animal Subjects** (Rescheduled from 1/31/19); Thursday, March 21, 2019 - 6:00pm to 7:30pm; Erickson Hall Kiva

In conducting your research, you may propose to use animals or humans. These sessions will help you understand the requirements – both at the level of MSU and federal government – that you must fulfill to be able to use either human or animal subjects in your research, and how to fulfill these requirements practically. The primary principles covered within this session are use of animals in research, and use of humans in research.

Registration is required. Registration and additional information available at [https://grad.msu.edu/rcr](https://grad.msu.edu/rcr)

**It's On Us to Support Survivors: A Workshop for Graduate & Professional Students at MSU**

When: Friday, April 5th - 12:30 pm to 2:00 pm

Where: Erickson Hall, Room 128


Facebook Event: [https://www.facebook.com/events/300442297334890/](https://www.facebook.com/events/300442297334890/)

**Evolution and Core Processes in Gene Expression Symposium**

A symposium sponsored by the ASBMB and being held this year on the campus of Michigan State University, May 9-12, 2019. [https://www.asbmb.org/specialsymposia/2019/geneexpression/](https://www.asbmb.org/specialsymposia/2019/geneexpression/)

**GRAD STUDENT Support Group**

Fridays from 9-10am at Olin Health
Scholarships/Fellowships:

2019-2020 Graduate School Leadership Development Fellowship
Due April 1, 2019
The Graduate School Leadership Development Fellowship is a year-long, cohort-based program. It was created to build a stronger and healthier graduate student community at MSU by preparing, supporting, and providing space for graduate student leaders to engage in change-oriented within their disciplines, College, the institution more broadly, and indeed the world. The program takes a holistic approach to graduate student professional development and success. This is a funded experience through which Leadership Fellows are supported through peer-networks, mentorship, and development opportunities. Fellows themselves range in terms of background, identities, and experiences. That said, an explicit goal of this program each year is to develop a cohort that reaches across the Colleges. As such, typically one fellow per College is selected. Click this link to learn more about the current fellows.
Please click on the link below to access the application form. The form will open as an external page in Qualtrics: 
[Link to the Leadership Development Program Fellowship Application]

Academic Scholars in Teaching (FAST) Fellowship Program
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, 2019 at 5:00.

Clifford Humphrys Fellowship for Preservation of Water Quality in The Great Lakes
The Clifford Humphrys Fellowship for Preservation of Water Quality in The Great Lakes will benefit students enrolled in any graduate program at MSU studying or doing research on water quality, especially as it relates to the Great Lakes and Lake Michigan in particular. The Fellowship is intended to encourage students who have demonstrated the capacity to achieve educational and professional goals, the motivation to achieve these goals, and the initiative to seek opportunities to further their progress. Up to five awards will be issued each year provided suitable applicants can be identified. Fellowships will be approximately $10,000-20,000 per student for one year. Additional information and the application process can be found at: [https://grad.msu.edu/Humphrys](https://grad.msu.edu/Humphrys) The application deadline is April 30, 2019.

Call for Applications for the 2019-2020 SUTL Graduate Fellows Program
Graduate students interested in STEM education research should consider applying for the LBC Scholarship of Undergraduate Teaching & Learning (SUTL) Fellowship Program. Lyman Briggs College has long been a leader in STEM and interdisciplinary education innovation and many LBC faculty conduct research on teaching and learning to advance understanding of how people learn, what factors contribute to a positive learning environment, and how curricular and course innovation affect student learning and attitudes. The LBC SUTL Graduate Fellowship Program helps LBC faculty conduct this important research while providing the next generation of educators opportunities to develop into amazing teacher-scholars. Learn more about the LBC SUTL Program, including the calls for 2019-2020 Fellows and Mentors, here: [https://grad.msu.edu/sutl](https://grad.msu.edu/sutl). Applications deadline is March 25, 2019.

Fellowship Opportunity with the Army Research Laboratory (ARL)
The Army Research Laboratory (ARL) invites exceptional young researchers to apply for an ARL Distinguished Postdoctoral Fellowship (www.nas.edu/arl). This fellowship provides recipients the opportunity to pursue independent research while working alongside some of the nation's best scientists and engineers. Applicants must display extraordinary ability in scientific research and show clear promise of becoming outstanding leaders. Successful candidates will have already tackled a major scientific or engineering problem or will have provided a new approach or insight, evidenced by a recognized impact in their field. Application deadline is May 31.