BioMolecular Science Weekly
January 21st-25th, 2019

Calendar:
Monday, January 21st (MLK Jr. Day)
No BMS Research Forum
No MMG WIPS Seminar

Tuesday, January 22nd
MMG Seminar, 4:10 PM, 1415 BPS
Dr. Karen Lloyd, U of Tennessee, “ANME-1 switch rapidly between anaerobic methane oxidation and methanogenesis in coastal sediments”
Plant, Soil, Microbial Science

Wednesday, January 23rd
Genetics/CMB Research Forum, 12-1:00 PM, 1425 BPS:
Research Rundown

Pharm Tox Seminar, 12:00 PM, B448 Life Science Building
Justin Booth, MSU IT, “Collaboration Tools—Google Drive & Microsoft Office 365”

Thursday, January 24th
Epidemiology and BioStatistics Seminar, 3:30 PM, E4 Fee Hall
Jennifer Smith, PhD, MPH, “A Social Epigenomic Approach to Cardiovascular Health Disparities”

Plant Resilience Brown Bag Series, 1:00 PM, A271 PSSB
Miranda Haus, 20-25 minute presentation on "Quantifying Root Architecture in Common Bean."

EEBB Seminar, 1420 BPS, 3:30 PM
Steven Wright, U of Toronto, “Evolution of sex chromosomes: Y degenerate?”

BMB Colloquium Series, 11:00 AM, 101 Biochemistry
Lawrence Young, Yale, “AMP-activated protein kinase in cardiovascular disease”

Friday, January 25th
Pharm Tox Drug Discovery Seminar, 9:00 AM, B448 Life Science Building
Dr. Tom Dension, Smart Health Activator
Announcements:

Physiology Fundraiser at Blaze Pizza, Jan. 22, 5:30-8:30 PM.

The CIRTL Network Workshops
Online Workshops, register at [https://www.cirtl.net/events](https://www.cirtl.net/events)

Getting Ready to Teach in the American Classroom: Building Rapport and Effective Communication Skills
Wed. 2/6, 2-3:30 PM
Develop and practice your own strategies for effective communication with students in this case-study-based online workshop. Cap: 40. Register by 2/1/19.

Writing Diversity Statement
Tues. 2/12 & 2/19, 12-1:30 PM
Draft a diversity statement - sought after in job applications - that incorporates your own experiences and helpful strategies in this two-part online workshop. Cap: 40. Register by 2/8/19.

Teaching with Technology
Thurs. 2/28, 1-2:30 PM
Become familiar with a variety of digital tools designed to enhance student learning in this one-part online workshop. Register by 2/22/19.

Drop In Events

Exploring Careers in Teaching at a Community College
Thurs. 1/31, 2/28, 4/11: 1-2:30 PM
Drop in on events in this three-part series to learn more about what it’s like to work at a community college.
Thursday, January 31: Introduction to Teaching at a Community College
Thursday, February 28: Getting Hired at Community College: Tips and Strategies from Faculty on Hiring Panels
Thursday, April 11: Understanding Diversity and Inclusive Teaching in the Community College Setting

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

Healthy Motivation, Friday, January 25, 2019 - 12:00pm-1:30pm, 110 Chittenden Hall
Motivation—the capacity to organize and act in the service of achieving an outcome—is essential for success in graduate school. But did you know that the way we motivate ourselves has very real consequences for both our health and well-being and for the quality of the work that we produce? This workshop will focus on identifying and defining different forms of motivation. It will also provide graduate students with tools and strategies to cultivate healthy forms of motivation. Registration is required.

Write a Winning NIH NRSA Fellowship: The do’s and don’ts
Dr. Wayne Pratt, January 31st, 2019, 4-5:30 PM, 110 Chittenden Hall
Dr. Pratt will share his experiences, knowledge and perspective as current Chair of an NIH study section that reviews fellowships for pre- and postdoctoral National Research Service Awards. He plans to discuss 1) goals of the NRSA, 2) how NRSA applications are reviewed, 3) the “do’s” and “don'ts” for each review criterion, emphasizing common mistakes that can easily sink an application, and 4) will offer tips to sponsors on the professional training plan and other critical components of a successful application.

RCR: Use of Animal Subjects, Thursday, January 31, 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.
Announcements Cont.:
The Department of Horticulture and the Plant Resilience Institute will interview three candidates
Jan. 22nd, 10am-12pm, A247 Plant Biology; Dr. Xiuren Zhang, “microRNA production in plants”
Jan. 24th, 10am-12pm, A247 Plant Biology Building, Dr. Magdalena Julkowska, “Salt-stress induced changes in plant architecture”
Jan. 30th, 10am-12pm, 271 PSSB, Dr. Mark Zander, “Epigenomic regulation of phenotypic pasticity”

COGS Workshop: Tackling Free Speech in the Classroom
January 21, 2019 · 11 AM – 12 PM; Pizza Lunch (free) to follow at Noon.
Room 110, Chittenden Hall, 466 W. Circle Drive
Please RSVP Here: https://bit.ly/2Fw4ziE

COGS 11th Annual Graduate Academic Conference
The Council of Graduate Students announces the 11th Annual Graduate Academic Conference will take place on February 16, 2019 at the MSU Union. We are now accepting abstracts for poster and oral presentations, due by January 11, 2019. Again this year, we are hosting a Three Minute Thesis Competition. The top three oral, poster, and 3MT presentations will each be awarded prizes of $500, $300, and $200, respectively. Additionally, the winner of the MSU 3MT competition will have the opportunity to compete at the Midwestern Association of Graduate Schools (MAGS) 3MT in March, 2019. This year there will be a $5 registration fee, which can be processed here: https://commerce.cashnet.com/msu_3754. An endorsement letter is also needed to complete the registration. In addition to the competition, presenters will have the opportunity to participate in workshops to enhance their communication skills.
Please see visit our webpage (http://cogs.msu.edu/gac/) for more information.
Summer Workshops:

**Adult Osteology Research Laboratory Workshop: Late Medieval "Crisis" Populations**

**Location:** Odorheiu Secuiesc, Transylvania, Romania  
**Dates:** June 2 – June 29, 2019  
**More information:** [https://www.archaeotek-archaeology.org/adult-osteology-laboratory](https://www.archaeotek-archaeology.org/adult-osteology-laboratory)  
**Contact e-mail:** archaeology@archaeotek.org  
**Project Director:** Dr. Jonathan Bethard (Department of Anthropology, University of Southern Florida)  
**Credits:** 3-6 undergraduate/graduate credits available through USF (USF deadlines and tuition applies); non-credit positions available  
**Requirements:** experience with basic human anatomy and morphology useful but not required

**Juvenile Osteology Research Laboratory Workshop: Victims of Change – Bioarchaeology of Children**

**Location:** Odorheiu Secuiesc, Transylvania, Romania  
**Dates:** June 30 – July 27, 2019  
**More information:** [https://www.archaeotek-archaeology.org/juvenile-osteology-laboratory](https://www.archaeotek-archaeology.org/juvenile-osteology-laboratory)  
**Contact e-mail:** archaeology@archaeotek.org  
**Project Director:** Dr. Jonathan Bethard (Department of Anthropology, University of Southern Florida)  
**Credits:** 3-6 undergraduate/graduate credits available through USF (USF deadlines and tuition applies); non-credit positions available  
**Requirements:** stand alone human osteology course is a prerequisite (such as the above Adult Osteology Laboratory Workshop or equivalent)

**Ossuary Excavation and Commingled Remains Osteology Research Laboratory Workshop**

**Location:** Odorheiu Secuiesc (laboratory) and Valeni / Patakfalva (excavation), Transylvania, Romania  
**Dates:** Session 1: June 2 - June 29, 2019; Session 2: June 30 – July 27, 2019  
**More information:** [https://www.archaeotek-archaeology.org/commingled-remains](https://www.archaeotek-archaeology.org/commingled-remains)  
**Contact e-mail:** archaeology@archaeotek.org  
**Project Director:** Frankie West and Dr. Katie Zejdlik-Passalacqua (Department of Anthropology, Western Carolina University)  
**Credits:** 6 undergraduate credits available through WCU for session 1 (WCU deadlines and tuition applies); 3-6 undergraduate/graduate credits available through USF for session 2 (USF deadlines and tuition applies); non-credit positions available  
**Requirements:** stand alone human osteology course is a prerequisite (such as the above Adult Osteology Laboratory Workshop or equivalent)

**Scholarships:**

**Martin Luther King, Jr. Endowed Scholarship**

The Office for Inclusion & Intercultural Initiatives is accepting applications for the 2018-19 MLK Endowed Scholarship program. Scholarships will be applied to the 2019-20 academic year. To be eligible, submit your application.  
[https://msuinclusion.wufoo.com/forms/mlk-endowed-scholarship-application/](https://msuinclusion.wufoo.com/forms/mlk-endowed-scholarship-application/)  
**Submission deadline:** Thursday, February 28, 2019; 11:45p