Seminar Calendar

**MONDAY, FEBRUARY 19**

**BMB-PRI Faculty Candidate Seminar**
Ruben Rellan Alvarez, CINVESTAV-IPN, Mexico
"Phospholipid balance as a possible driver of maize adaptation to highlands"
10:00 AM, Room 1425 BPS

**PRL Seminar**
Michael Udvardi, Noble Research Institute
"Genetic and genomic dissection of symbiotic nitrogen fixation in Medicago truncatula"
4:10 PM, Room 101 Biochemistry

**TUESDAY, FEBRUARY 20**

**MMG Seminar**
Michael Baym, Harvard University
"Evolutionary Approaches to Antibiotic Resistance"
11:00 AM, Room 101 Biochemistry

**WEDNESDAY, FEBRUARY 21**

**3M Interest Group**
Deanna Broadwater, Lunt Lab, BMB
"Tunable Fluorescent Organic Salts for Enhanced Imaging and Photodynamic"
4:00 PM, Room 1455-A BPS (iCER)

**THURSDAY, FEBRUARY 22**

**BMB Cryo-EM Faculty Candidate Seminar**
Jean-Paul Armache, UC San Francisco
"Structural studies of macromolecules using electron cryo-microscopy (cryo-EM)"
11:00 AM, Room 101 Biochemistry

**EEBB Seminar**
William C. Wetzel, Michigan State University
"It's a variable world: Consequences for the ecology of plants and insects"
3:30 PM, Room 1420 BPS

**FRIDAY, FEBRUARY 23**

**SATE Seminar**
Amit Singer, Princeton University
"Mathematics for Cryo-Electron Microscopy"
11:30 AM, Room 1400 BPS

**Noteworthy News**

Research led by Dr. Lee Kroos has produced experimental and modeling results that, for the first time, shed light on how a particular type of enzyme functions during spore formation, offering the opportunity for advances in the areas of human health and disease. Their research was published in *PNAS* and highlighted in *NatSci News*.

*Spartans Will.*
Announcements

Checkout the Grad/Postdoc News page on the BMB website for the latest events and opportunities.

BMB Town Hall Meeting
On Tuesday, February 20th at 4:00 PM, BMB will host a Town Hall meeting in Room 208, Biochemistry. Issues associated with the recent Nassar affair will be discussed. The discussion will be moderated by a group of BMB faculty and staff members.

CIRTL Network
The Center for Integration of Research, Teaching, and Learning has a number of learning opportunities for graduate students, postdocs, and faculty. Explore CIRTL resources at http://www.cirtl.net/.

ComSciCon 2018 National Workshop
The 6th annual ComSciCon National Workshop, happening June 14th-16th, 2018 in Boston, MA. At ComSciCon's National Workshop, participants build communication skills that scientists and other technical professionals need to express ideas to their peers, experts in other fields, and the general public. Application deadline is March 1st.

North American Mass Spectrometry Summer School
August 6-9 2018, Madison, Wisconsin. In this four-day course, students will experience an engaging and inspiring program covering the latest in the application of mass spectrometry to omic analyses in plants and animals. Tutorial lectures range from experimental design, sample preparation, and quantification to the basics of high performance mass analyzers and data analysis. Also planned are several hands-on workshops. Limited space available. Apply now through April 1, 2018.

Invitation to the 9th Annual Midwest Graduate Research Symposium at The University of Toledo
The University of Toledo Graduate Student Association (GSA) cordially invites students from Michigan State University to the 9th Annual Midwest Graduate Research Symposium (MGRS). Each year we are excited to provide this opportunity to talented graduate students across the country and are looking forward to April 7th, 2018. Free Registration deadline is March 10.

Spring 2018 Mid-Career Conversation
The Academic Advancement Network and Academic Human Resources will host a conversation with administrators on mid-career post-tenure faculty, focused on issues and challenges faced during this time and how MSU administrators can provide support to overcome them. This event will be held on March 28th from 9:00 am to 10:30 am at the MSU Main Library. Register by March 19th.

Job Postings

See the BMB website for a full listing of employment opportunities.

Assistant/Associate Professor in Molecular and Cellular Biology, University of Alberta
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. Closing date is February 28, 2018.
Recent Publications

For most publications from BMB labs during the past year, see Recent Publications on the BMB website.


Rohnke BA, Singh SP, Pattanaik B, Montgomery BL. “RcaE-Dependent Regulation of Carboxysome Structural Proteins Has a Central Role in Environmental Determination of Carboxysome Morphology and Abundance in *Fremyella diplosiphon*.” *mSphere.* (2018) Jan-Feb;3:(1). doi: [10.1128/mSphere.00617-17](https://doi.org/10.1128/mSphere.00617-17)

