



Please send submissions to Steve Lundback, lundback@msu.edu, 212 Biochemistry (Mailbox on 2nd Floor)

Seminar Calendar

MONDAY, APRIL 2

PRL Seminar

Jose Dinneny, Stanford University

"Stressed! How plants cope through dynamic responses"

4:10 PM, Room 101 Biochemistry

TUESDAY, APRIL 3

MMG Seminar

Sebla Kutluay, Washington University School of Medicine

"An Unexpected Role for the HIV-1 Integrase Protein in Particle Maturation"

11:00 AM, Room 101, Biochemistry

WEDNESDAY, APRIL 4

3M Interest Group

Claire Vielle, MMG-BMB

"Identification of the Actinobacillus Succinogenes Glucose Uptake System and Succinate Exporters"

4:00 PM, Room 1455-A BPS (iCER)

THURSDAY, APRIL 5

Charles C. Sweeley Endowed Lectureship

Judith Klinman, UC Berkeley

"New Models for Origins of Enzyme Catalysis"

11:00 AM, Room 101 Biochemistry

EEBB Seminar

Patric Vaelli, EEBB Distinguished Student Speaker

"From microbes to brains: toxic symbiotic bacteria and adaptive evolution in the nervous system of rough-skinned newts"

3:30 PM, Room 1420 BPS

FRIDAY, APRIL 6

SATE Seminar

Sangbae Kim, Massachusetts Institute of Technology

"Bio Inspired Robotics"

11:30 AM, Room 1400 BPS

Noteworthy News



Michaela TerAvest and Kristin Parent were awarded one of the National Science Foundation's most prestigious awards, the CAREER award. This award is offered in support of early career faculty members who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research. Read more at MSU Today.

SPARTANS WILL.



SAVE THE DATE



BIOCHEMISTRY & MOLECULAR BIOLOGY
2018 ANNUAL BANQUET

Thursday, April 12th

5:30 - 8:30 p.m.

*The University Club
Michigan State University*

Announcements

Checkout the [Grad/Postdoc News](#) page on the BMB website for the latest events and opportunities.

[How to Tackle the Childcare-Conference Conundrum](#)

This article from PNAS discusses new guidelines for increasing participation in scientific conferences.

[University Graduate Certification in College Teaching Institute](#)

A two-day course leading to a certification is being offered to doctoral students and postdocs. The course will be held May 10 – 11 at the MSU Union Ballroom. Registration is required.

[J-1 Scholar Poster Fair, Blog, and Scholar of the Semester Events](#)

The Office for International Students and Scholars is hosting events to showcase the work of J-1 scholars, professors, and student interns conducted while at MSU. A poster fair is scheduled for April 20, 2018.

[Volunteers Needed - Fascination of Plants Day](#)

The second edition of Fascination of Plants Day will be held on Saturday, May 19th, 2018. Contact Aparajita Banerjee (banerj12@msu.edu) to volunteer.

[American Cancer Society Funding Opportunities](#)

Funding opportunities for cancer research, training, and career development are available through the American Cancer Society. Grand deadlines are April 1st, and October 15th.

[Postdoctoral Position in Polly Hsu's Lab](#)

A postdoctoral position is available immediately in Polly Hsu's Lab at Michigan State University to study translational regulation in plant responses to the environments. The candidates should have a background in plant molecular biology. Strong interests in either stress response or translational regulation is preferred.

[Regulatory Affairs Associate, BioFire Diagnostics](#)

BioFire Diagnostics is looking for a Regulatory Affairs Associate. The Regulatory Affairs Associate will assist the regulatory affairs team with formatting, assembling and timely preparation of documents for domestic and international regulatory submissions and ensuring compliance with applicable regulations.

[Postdoctoral Position, Department of Plant and Microbial Biology, University of Minnesota](#)

A postdoc position is immediately available and mainly for a wet-lab scientist although the person will have an opportunity to be trained in dry-lab as well if he/she is interested. The main projects for the individual will be (1) Investigate the state of the rice immune signaling network and (2) Investigate spatial signaling during immune response in Arabidopsis.

[Postdoc Position, Forest Entomology, University of Florida, Gainesville](#)

Join the Forest Entomology team at the University of Florida on our quest to discover which of the thousands of wood borer species in exotic jungles have the potential to be the next big invader into American forests.

Recent Publications

For most publications from BMB labs during the past year, see [Recent Publications](#) on the BMB website.

Preiss J. "Plant Starch Synthesis." In: Sjöo M, Nilsson L, editors. *Starch in Food: Structure, Function and Applications, Second Edition*. Woodhead Press; 2018. p. 3-29.

Guo Q, Major IT, Howe GA. "Resolution of growth-defense conflict: mechanistic insights from jasmonate signaling." *Curr Opin Plant Biol.* (2018) Mar 16;44:72-81. doi: [10.1016/j.pbi.2018.02.009](https://doi.org/10.1016/j.pbi.2018.02.009)

Banerjee A, Hamberger B. "P450s controlling metabolic bifurcations in plant terpene specialized metabolism." *Phytochem Rev.* (2018) 17(1):81-111. doi: [10.1007/s11101-017-9530-4](https://doi.org/10.1007/s11101-017-9530-4)

Heskes AM, Sundram TCM, Boughton BA, Jensen NB, Hansen NL, Crocoll C, Cozzi F, Rasmussen S, Hamberger B, Hamberger B, Staerk D, Møller BL, Pateraki I. "Biosynthesis of bioactive diterpenoids in the medicinal plant *Vitex agnus-castus*." *Plant J.* (2018) Mar;93(5):943-958. doi: [10.1111/tpj.13822](https://doi.org/10.1111/tpj.13822)