



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

Seminar Calendar

MONDAY, SEPTEMBER 17

Molecular Plant Science Seminar

Jian Xu, Chinese Academy of Sciences

"Nannochloropsis as chassis for producing "designer oils" from carbon dioxide"

4:10 PM, Room 1200, MPS

TUESDAY, SEPTEMBER 18

The Exchange

Amanda Koenig & Taylor Dunivin: Science Debate, Capitol Hill, ComSci Con

8:00 AM, Room 208

MMG Seminar

Robert Quinn, BMB

"Lungs, Germs & Steel: Fighting the Cystic Fibrosis Lung Microbiome"

4:10 PM, Room 1415 BPS

WEDNESDAY, SEPTEMBER 19

3M Interest Group

Joel Rankin, Hausinger Lab

"Elucidating the Mechanisms of Lactate Racemase and Nickel Pincer Cofactor Synthesis"

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

THURSDAY, SEPTEMBER 20

BMB Colloquium

Jeffrey Peng, University of Notre Dame

"Protein Flexibility and Antibiotic Resistance: Insights from NMR"

11:00 AM, Room 101 Biochemistry

EEBB

Steven Gray, EEBB Distinguished Student Speaker

"Spatial Ecology and Behavior of Wild Pigs in Michigan"

3:30 PM, Room 1420, BPS

FRIDAY, SEPTEMBER 21

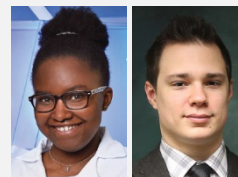
SATE Seminar

Jose Avalos, Princeton University

"Spatial and Temporal Control of Yeast Isobutanol Production with Subcellular Engineering and Optogenetics"

11:30 AM, Room 1400 BPS

Noteworthy News



Congratulations to Jacqueline Njeri and Brendyn Smith, two of the 2018-2019 College of Natural Science Dean's Research Scholars! The Dean's Research Scholars are a group of outstanding undergraduate students who represent the nearly 5,000 hard-working science and mathematics majors in the College of Natural Science. Jacqueline and Brendyn will participate in special events and speaking engagements to showcase their work and experience. Find out more about the Dean's Research Scholars [here](#).

SPARTANS WILL.

Announcements

National Postdoc Appreciation Day, September 21, 2018

This event will feature professional development workshops, resource fair, lunch, and a social at Hopcat. RSVP by Monday, September 17.

Events from the MSU Work Life Office

The MSU Work Life Office will host “Building Community in a Culture of Change” on October 16, and “Compassionate Care in Challenging Times” on September 21. Registration is required.

Workshop on Systems Biology

Featuring *in vivo* imaging and single cell mass spectrometry. Thursday, October 18 in the IQ building.

Grant Writing Workshops from VPRGS

NSF Proposal Development Webinar: 1:00 PM on Sept. 24, Oct. 15, Nov. 5, and Dec. 3
Advanced NIH Grant Writing: Sept. 20 – Dec. 7

DOE Office of Science Graduate Student Research (SCGSR) program

The U.S. Department of Energy’s Office of Science is now accepting applications for the Office of Science Graduate Student Research (SCGSR) program (2018 Solicitation 2). Applications are due 5:00pm Eastern Time on November 15, 2018.

Aitch Foundation Graduate Assistantship in Cancer Research

One fellowship position providing 12 months of support is still open for graduate students who are conducting research in early cancer detection and diagnostics, genetic and cellular changes contributing to tumor development, or the identification of new cancer targets and therapeutic agents.

2018 Women in Science Conference

This three-day event will be hosted by the Association for Women in Science, Notre Dame Chapter (AWIS-ND) and will be held during October 5-7. The Conference is designed to provide graduate student women in science, technology, engineering, and mathematics a venue for networking and professional development.

Assistant/Associate/Full Professor of Biology, Furman University

Furman University invites applications for two open-rank tenure-track positions in biology to begin in August 2019. Candidates must have their Ph.D. by June 2019 and show evidence of teaching excellence and commitment to establishing a productive research program that leads to publication with undergraduates.

Open Positions at the Boyce Thompson Institute

BTI is seeking 2 – 3 innovative scientists who together will launch an interdisciplinary program in an area that is new to the institute and is open to any area of plant science, or any field with the potential to contribute to BTI’s mission.

Synthetic and Physical Biology Faculty Positions, Rice University

Ideal candidates will develop research programs that utilize experimental and/or theoretical approaches for fundamental and applied studies that are interdisciplinary. Application review will commence no later than October 1, 2018 and continue until the positions are filled.

Recent Publications

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

Hoang Y, **Kroos L**. “Ultrasensitive response of developing *Myxococcus xanthus* to the addition of nutrient medium correlates with the level of MrpC.” *J Bacteriol.* (2018) Sep 4. doi: [10.1128/JB.00456-18](https://doi.org/10.1128/JB.00456-18)

Herwaldt EJ, Rivett ED, White AJ, **Hegg EL**. “Cox15 interacts with the cytochrome *bc*₁ dimer within respiratory supercomplexes as well as in the absence of cytochrome *c* oxidase.” *J Biol Chem.* (2018) Sep 4. doi: [10.1074/jbc.RA118.002496](https://doi.org/10.1074/jbc.RA118.002496)

Pizzo L, Jensen M, Polyak A, Rosenfeld JA, Mannik K, **Krishnan A**, McCreedy E, Pichon O, Le Caignec C, Van Dijck A, Pope K, Voorhoeve E, Yoon J, Stankiewicz P, Cheung SW, Pazuchanics D, Huber E, Kumar V, Kember RL, Mari F, Curró A, Castiglia L, Galesi O, Avola E, Mattina T, Fichera M, Mandarà L, Vincent M, Nizon M, Mercier S, Bénéteau C, Blesson S, Martin-Coignard D, Mosca-Boidron AL, Caberg JH, Bucan M, Zeesman S, Nowaczyk MJM, Lefebvre M, Faivre L, Callier P, Skinner C, Keren B, Perrine C, Prontera P, Marle N, Renieri A, Reymond A, Kooy RF, Isidor B, Schwartz C, Romano C, Sistermans E, Amor DJ, Andrieux J, Girirajan S. “Rare variants in the genetic background modulate cognitive and developmental phenotypes in individuals carrying disease-associated variants.” *Genet Med.* (2018) Sep 7. doi: [10.1038/s41436-018-0266-3](https://doi.org/10.1038/s41436-018-0266-3)