



Seminar Calendar

Monday, October 4

[Microbiology & Molecular Genetics Work in Progress Seminars](#)

Cole McCutcheon (Manning & Petroff labs) “Characterizing the innate immune response to group B streptococcal membrane vesicles”

Marcela Tabares-Ruiz (Reguera lab) “Microbial communities driving the nutrient and pesticide remediation capacity of woodchip bioreactors”

Noon [Zoom link](#). Email Rob (abramov5@msu.edu) for the password

[Molecular Plant Science Seminars](#)

Lucia Strader, Duke University

“Auxin Response factor's & transcriptional control”

4:00 PM [Zoom link](#) (Passcode: 862930)

Tuesday, October 5

The Exchange – (Science discussion for BMB graduate students)

“RCR: Scientific Virtues”

7:30 AM (**Please note the early start**)

Email David (arnosti@msu.edu) for the Zoom link and password

[PRL Tuesday Noon Seminars](#)

Kara Headley, MSU (PRL's new communications manager)

“Science Communications Tenets: How to convey complex science to a general audience”

Noon [Zoom link](#) (passcode prl2021)

Wednesday, October 6

Metabolism, Membranes and Metalloenzymology Interest Group

Keith MacRenaris (MacRenaris lab)

“Ushering in a New Era of Quantitative Elemental Mapping and Single Cell Analysis”

4:00 PM Email Teri (compeaut@msu.edu) for the Zoom link

Thursday, October 7

[BMB Seminar Series](#)

Virginia Lee, University Pennsylvania

“Transmission of Misfolded Proteins in Neurodegenerative Disorders: A Common Mechanism of Disease Progression”

11:00 AM Email Ashley (clarkas@msu.edu) for the Zoom link

Noteworthy News

Four self-nominated BMB awards to know about:

Professor Richard L Anderson
Endowed Undergraduate Research Prize

Dr. James K. Billman,
Jr. Undergraduate Research Award

BMB Undergraduate Research Fellowship

Moore-Billman Scholarship in
Biochemistry and Molecular Biology

In addition, we have one faculty-nominated award:

Outstanding Undergraduate Award/BMB
Undergraduate Award for Excellence

Visit the website [here](#) for details.

The deadline for submission is Friday
October 22 at 5pm.

Contact Kristin (kparent@msu.edu) or
Mary (villar30@msu.edu) with questions.

SPARTANS WILL.

[EEB Seminar Series](#)

Mauricio Losilla, MSU (Notable Dissertation Lecture)

“Genomic basis of electric signal variation in African weakly electric fish”

3:30 PM Email Barbara (eeb@msu.edu) for the Zoom link

Friday, October 8

[Plant Biology Seminar Series](#)

Beronda Montgomery, MSU

3:30 PM Email Krystal (kwitt@msu.edu) for the Zoom link

Announcements

Undergraduates, don't miss an opportunity for two prestigious scholarships for which many of you are likely eligible and could be very competitive.

Goldwater Scholarship

Eligibility:

\$7,500 stipend for undergraduate studies

Sophomores & juniors in STEM fields with strong research experience

Planning to pursue a career in research

Planning to pursue a PhD in graduate school

GPA close to 4.0

Application deadline: November 1. To apply, fill out the Goldwater pre-application [here](#).

Truman Scholarship

Eligibility:

Provides funding for graduate school

Juniors, all fields

Extensive record of public service

Commitment to a career in government or elsewhere in the public sector

Demonstrated record of meaningful and substantial leadership experiences

Academic performance, intellectual strength, and writing and analytical skills

More information [here](#). Application deadline: November 1

[CSTAT](#) provides both statistical support in all phases of research projects including planning, data management, analysis, and reporting. You are invited to participate in a web-based online survey about CSTAT. The objective is to gain a better understanding of your quantitative needs for your research projects. Please click on [this link](#) to fill out the anonymous survey. It will take you approximately 5 minutes to finish.

If you are you responsible for the care or support of an elderly loved one, whether or not they live in your home, MSU understands this can be very stressful. Finding appropriate resources and information can help to reduce the stress of caregiving. The MSU WorkLife Office can provide you with information, consultation, and resources to support you and your family. Read more [here](#).

The Office for Education Abroad is holding their annual [Education Abroad Expo](#) in-person at the Breslin Center on October 7 from 1:00 pm to 5:00 pm. The Expo is one of the country's largest education abroad events and allows students to explore their options by talking with program directors, representatives from partner institutions, former participants, and staff from support units all in one place. Questions should be directed to Cheryl (bennerc@msu.edu).

Job / internship postings:

The Department of Biochemistry at Case Western Reserve University has opened a search for a full-time teaching faculty member. The department has vigorous educational programs for undergraduates, MS, and PhD students. The majority of time will be spent on teaching and duties to support the undergraduate and MS programs. Click [here](#) to learn more.

Recent Publications

Liu J, Cook R, Danhof L, Lopatto D, Stoltzfus JR, Benning C. "Connecting research and teaching introductory cell and molecular biology using an Arabidopsis mutant screen." *Biochem Mol Biol Educ*. September 2021.

Aykul S, Maust J, Martinez-Hackert E. "BMP-4 Extraction from Extracellular Matrix and Analysis of Heparin-Binding Properties." *Mol Biotechnol*. September 2021.

Pei J, Song LF, Merz KM Jr. "FFENCODER-PL: Pair Wise Energy Descriptors for Protein-Ligand Pose Selection." *J Chem Theory Comput*. September 2021.

Rankin JA, Chatterjee S, Tariq Z, Lagishetty S, Desguin B, Hu J, Hausinger RP. "The LarB carboxylase/hydrolase forms a transient cysteinyl-pyridine intermediate during nickel-pincer nucleotide cofactor biosynthesis." *Proc Natl Acad Sci U S A*. September 2021.