



Please send submissions to Steve Lundback, [lundback@msu.edu](mailto:lundback@msu.edu), 212 Biochemistry (Mailbox on 2<sup>nd</sup> Floor)

## Seminar Calendar

### MONDAY, OCTOBER 28

#### [MPS Seminar](#)

Hiroshi Maeda, University of Wisconsin-Madison  
"The biosynthetic pathways of aromatic amino acids"  
4:10 PM, Room 1200 MPS

### TUESDAY, OCTOBER 29

#### [The Exchange](#)

Careers – Vivek Chopra, Amgen  
8:00 AM, Room 208 Biochemistry

#### [MMG Seminar](#)

John Schiller, National Cancer Institute  
"HPV VLP's: Nature's Nanoparticles for Prevention and Treatment of Cancer"  
4:10 PM, Room 1415 BPS

### THURSDAY, OCTOBER 31

#### [BMB Colloquium](#)

George Mias, BMB  
"Longitudinal Systems Medicine"  
11:00 AM, Room 101 Biochemistry

#### [EEBB Seminar](#)

Laura Twardochleb, MSU Department of Fisheries and Wildlife  
**DISTINGUISHED EEBB STUDENT SPEAKER**  
"Climate effects on freshwater ecological communities: from local species interactions to continental biodiversity patterns"  
3:30 PM, 1420 BPS

#### [Physiology Seminar](#)

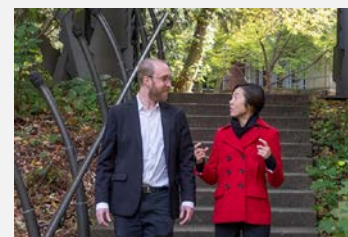
Steven Abcouwer, University of Michigan  
"Roles of mTOR complexes in retinal development and function"  
4:00 PM, Room 1425 BPS

### FRIDAY, NOVEMBER 1

#### [Science at the Edge](#)

Yuri Lyubchenko, University of Nebraska Medical Center  
"Molecular Mechanisms of Proteins Self-Assembly in Aggregates by the On-Surface Catalysis Pathway"  
11:30 AM, Room 1400 BPS

## Noteworthy News



Scientific breakthroughs don't always happen in labs. For Sophia and Richard Lunt, Michigan State University researchers, many of their breakthroughs happen during neighborhood walks.

The married couple's step-by-step approach has revealed a new way to detect and attack cancer cells using technology traditionally reserved for solar power. The results, published in the current issue of *Scientific Reports*, showcases dramatic improvements in light-activated fluorescent dyes for disease diagnosis, image-guided surgery and site-specific tumor treatment.

[More...](#)

**SPARTANS WILL.**

## Announcements

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### [13th Annual Plant Biology Chili Cookoff](#)

All are welcome on Friday, November 15th at 6 PM in the BPS Atrium to participate as a contestant or judge. To enter as a contestant, email [Danielle Young](#) by November 13th.

### [Targeting Host Immune Cells in Lethal Prostate Cancer](#)

The Alliance for Graduate Education & the Professoriate will host this special seminar by Dr. Jelani Zarif of Johns Hopkins University. The seminar takes place from 4 PM to 5 PM on Friday, November 22 at Chittenden Hall, Room 110.

### [Assistant Professor, Cellular, Molecular, or Developmental Biology, ECU](#)

The Department of Biology at East Carolina University seeks to fill a tenure-track faculty position (9-month appointment) at the Assistant Professor level with expertise in Cellular, Molecular, or Developmental Biology to begin August 16, 2020. The successful candidate will be expected to establish a vigorous, externally funded research program that actively engages undergraduate and graduate students. . Review of applications begins on November 18, 2019.

### [Assistant/Associate Professor of Biochemistry, University of Kansas](#)

The Department of Molecular Biosciences at the University of Kansas invites applications for a faculty position as a tenure-track assistant professor or associate professor using biochemical or chemical biology approaches to investigate the molecular mechanisms of cancer. Review of applications will begin on November 1, 2019.

### [Assistant/Associate Professor of Biochemistry, Case Western Reserve University](#)

Case Western Reserve University, Department of Biochemistry is seeking a highly qualified candidate to fill a full-time faculty position at a rank commensurate with experience and expertise. This is a non-tenure-track position, and the majority of time will be spent on teaching duties to support the education mission of the Department. Review of applications will begin on November 1, 2019.

### [Assistant/Associate Professor of BioSynthetic Organic Chemistry, University of North Texas](#)

The Department of Chemistry at the University of North Texas (UNT), Denton, TX, invites applications from outstanding scientists for a tenure-track position in organic chemistry with membership in the BioDiscovery Institute (BDI). An appointment at the Assistant Professor level is expected; however, candidates at higher ranks may also be considered. We are seeking an individual working in the general area of synthetic chemistry of biologically relevant organic compounds. Screening of applications will begin on November 1st, 2019.

## Recent Publications

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

Schenck CA, Last RL. "Location, Location! Cellular relocation primes specialized metabolic diversification." *FEBS J.* (2019) Oct 17;. doi: [10.1111/febs.15097](https://doi.org/10.1111/febs.15097)

Ghanbarpour A, Pinger C, Esmatpour Salmani R, Assar Z, Santos EM, Nosrati M, Pawlowski K, Spence D, Vasileiou C, Jin X, Borhan B, Geiger JH. "Engineering the hCRBPII Domain-Swapped Dimer into a New Class of Protein Switches." *J Am Chem Soc.* (2019) Oct 16;. doi: [10.1021/jacs.9b04664](https://doi.org/10.1021/jacs.9b04664)