



## Seminar Calendar

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### MONDAY, SEPTEMBER 9

#### [MPS Seminar](#)

Susan Wessler, University of California, Riverside

*"Identifying plant transposable elements and determining how they contribute to gene and genome evolution"*

4:10 PM, Room 1200 MPS

### TUESDAY, SEPTEMBER 10

#### [The Exchange](#)

Journal Club – Aaron Dinner, University of Chicago (Tom Dixon, Nick Schlecht)

8:00 AM, Room 208 Biochemistry

### WEDNESDAY, SEPTEMBER 11

#### [Pharm Tox Seminar](#)

Peisong Ma, Thomas Jefferson University

*"Mechanism for feedback regulation of G protein-coupled receptor signaling in platelets"*

12:00 PM, Room B448 Life Science Bldg

### THURSDAY, SEPTEMBER 12

#### [BMB Colloquium](#)

Aaron Dinner, University of Chicago

*"Using systematic computational approaches to elucidate the molecular and network dynamics underlying a circadian clock"*

11:00 AM, Room 101 Biochemistry

#### [EEBB Seminar](#)

Nik McPherson & Nicholas Pilfold

*"Careers outside of Academia"*

3:30 PM, 1420 BPS

### FRIDAY, SEPTEMBER 13

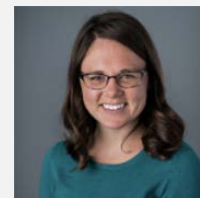
#### [Science at the Edge](#)

Elizabeth Read, University of California, Irvine

*"Noisy Dynamics in the Epigenome: Insights from Stochastic Modeling and Inference"*

11:30 AM, Room 1400 BPS

## Noteworthy News



One of six researchers chosen nationally to receive the Gina M. Finzi Memorial Student Summer Fellowship, **Kate Wierenga** is a fourth-year BMB student working in the lab of Dr. James Pestka in the Department of Food Science and Human Nutrition. The Pestka lab is focused on understanding how dietary and environmental exposures influence the development of the autoimmune disease lupus, a disease characterized by activation of the immune system against host tissues. *Read more [here](#).*

**SPARTANS WILL.**

## Announcements

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### [Save the Date: Thermo Metabolomics Seminar Series](#)

*"Harness the Power of Metabolomics"*

Tuesday, September 10

Room 208 Biochemistry (8:30 am-3:30 pm).

Register at [thermofisher.com/americasevents](http://thermofisher.com/americasevents)

### [Molecular Biophysics Symposium in Honor of the Grand Opening of the MSU Cryo-EM Core Facility](#)

Friday October 4th and Saturday October 5th, 2019.

To inaugurate the new Cryo-EM facility at Michigan State, we are hosting a symposium to highlight cutting edge research in molecular biophysics. We will feature invited talks, student posters and a tour of the new cryo-EM facility. Registration is free but required.

### [GNPS Metabolomics Workshop, MSU](#)

Dr. Robert Quinn (BMB) will be hosting a metabolomics workshop this September 11th. This workshop is designed to teach analysis of mass spectrometry data (with a focus on untargeted metabolomics) with new bioinformatic tools that can translate this highly technical data into biologically relevant information. GNPS is a new database and data analysis server for tandem (MS/MS) mass spec data analysis. With GNPS you can visualize your metabolomics data in novel ways that enable identification of known compounds, determining the structure of unknowns, and with statistical tools that are designed to identify biological patterns in the overall data. Contact Rob Quinn by August 30th if you are interested in attending. The location will be determined by the number of respondents.

### [Graduate Research Fellowship Program \(GRFP\) – Workshop Series](#)

Chittenden Hall (Rm. 110 & the Commons)

Monday, September 9, 2019 - 6:00pm to 8:30pm

Wednesday, September 11, 2019 - 6:00pm to 8:30pm

### [Postdoctoral Position on Plant Metabolism, University of Wisconsin-Madison](#)

The Maeda Laboratory is seeking an independent and self-driven postdoctoral researcher, who can lead a new Department of Energy (DOE)-funded project to construct nitrogen metabolic flux maps of Arabidopsis and sorghum. The position is initially for three years with possibility to continue for additional years.

### [Assistant Professor, University of Washington in St. Louis](#)

The Biology Department at Washington University is conducting a search to fill an open rank tenure track faculty position in Molecular, Cellular, & Developmental Biology at the Assistant Professor level. We are particularly interested in candidates who employ innovative approaches to conduct research in biochemical systems, plant science, developmental controls, and/or genome biology, but all exceptionally qualified individuals are invited to apply. Applications will be accepted immediately and application review will begin October 15, 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.

Li W, Lybrand DB, Zhou F, Last RL, Pichersky E. “Pyrethrin biosynthesis: The cytochrome P450 oxidoreductase CYP82Q3 converts jasmolone to pyrethrolone.” *Plant Physiol.* (2019) Aug 26. doi: [10.1104/pp.19.00499](https://doi.org/10.1104/pp.19.00499)

Frum T, Watts JL, Ralston A. “TEAD4/YAP1/WWTR1 prevent the premature onset of pluripotency prior to the 16-cell stage.” *Development.* (2019) Aug 23. doi: [10.1242/dev.179861](https://doi.org/10.1242/dev.179861)

Frum T, Ralston A. “Visualizing HIPPO Signaling Components in Mouse Early Embryonic Development.” *Methods Mol Biol.* (2019) Aug; 1893:335-352. doi: [10.1007/978-1-4939-8910-2\\_25](https://doi.org/10.1007/978-1-4939-8910-2_25)