CMB E-Newsletter 12.01.17

Make sure to check out the Graduate School’s professional development event calendar, which has a comprehensive list of all professional development events around campus for grad students and postdocs. You can find the schedule at: http://grad.wisc.edu/events

CMB Student Seminar - Monday, Dec 4
CMBers, mark your calendars for next week’s seminar! Gul Kaur (Lakkaraju Lab) will speak on, “Organelle defects in macular degeneration” on Monday, December 4 at 5pm in the Bock Labs Penthouse (9th floor). As always, this seminar will feature some awesome science, socialization with potential Nobel Laureates, and free pizza!

MHDTG Seminar - Tuesday, Dec 5
Steven Baker from the Mehle lab will be giving a seminar next Tuesday, December 5 at 4pm in room 2511 MSB. Steven will be giving his talk, “Species differences of influenza polymerase cofactors dictate virus replication success.”

WARF Essential Topics Series Webinar - Wednesday, Dec 6
Join WARF for a free webinar and discussion on critical issues in gender disparity and gender equity policy in scientific research, and understanding the value of empirical evidence for guiding the inclusion of women in research and innovation activities. “Gender in the Global Research Landscape” webinar will be held on Wednesday, December 6 from 11am-1pm in the Entrepreneur’s Resource Clinic at the Discovery Building. The webinar will be followed by a local discussion led by Dr. Handelsman. Click here to register by December 5.

WARF Coffee & Donuts - Thursday, Dec 7
Gather with your colleagues for conversation and caffeine in the Microbial Sciences Building Atrium on Thursday, December 7 from 2-2:30pm. There will be coffee and donuts provided by WARF Ambassadors.
**Developmental Biology Student Seminar Series - Friday, Dec 8**

The next Developmental Biology Student Seminar Series will be held on Friday, December 8 at 4pm in Orchard View Room, WID. Sarah Neuman (Bashirullah Lab) will speak on “*Hobbit* regulates intracellular trafficking to drive insulin-dependent growth during *Drosophila* development,” and Brian Johnson (Beebe Lab) will speak on “Engineering and validation of paracrine Sonic Hedgehog signaling in 3D culture.” A happy hour will follow presentations.

**Improv4Scientists (Medicine 710) Course**

Want to more confidently talk about your work? Want to improve your presentations? Want to have some fun while you learn? Then Improv4Scientists (Class #56048) is for you! It is a 6-week, 1-credit course (Medicine 710) based on the Watson/Northwestern Medical Improv Curriculum & work from The Alda Center for Communicating Science and will meet Tuesdays 5-7:30p, March 20 - May 1. If you have any questions, they can be directed to Amy Zelenski, PhD at zelenski@medicine.wisc.edu.

**Bot 858: Imaging Techniques and Analyses in Plant Cell Bio**

This upcoming spring, Bot 858 will be offered for graduate students. This course consists of lectures and hands-on activities in the Newcomb Imaging Center (Department of Botany) using confocal and super-resolution microscopy systems. It will run T & R from 11-12:30 for 4 weeks, February 20 - March 15, 2018. Course instructors are Marisa Otegui, Simon Gilroy, and Sarah Swanson. Instructor consent is required for enrollment.

**TA Positions Available in Chemistry**

The Chemistry Department is looking to hire qualified graduate students to serve as teaching assistants (TAs) for our undergraduate General Chemistry classes for Spring 2018. **Applicants should have a strong background in chemistry, which means they have successfully completed at least two years of college level chemistry courses.** These courses are typically in general chemistry, organic chemistry and/or physical or analytical chemistry (or the equivalent of thermodynamics and kinetics). The teaching assignment is a 45% appointment, approximately 18 hours per week. One TA is typically responsible for two sections of students (~22 students per section) in CHEM 103, CHEM 104, or CHEM 108. Each section typically meets with their TA twice a week for discussion and once a week for lab, in addition to attending lectures three times a week. TA responsibilities include supervising labs, teaching discussion, grading, attending lectures and weekly staff meetings, and holding office hours.

You can find more information and instructions on how to apply here: [https://www.chem.wisc.edu/content/teaching-assistant-positions](https://www.chem.wisc.edu/content/teaching-assistant-positions)

While the ensured consideration date is December 1, 2017, we will continue to accept applications until all positions are filled. Applications and questions may be sent to undergrad@chem.wisc.edu.

**Spring 2018 Biochem 551 Volunteer Opportunity**

The Biochemistry Department is looking for 2-3 senior graduate students (dissertators) or postdocs to teach an undergraduate seminar component of the 551 course. This is strictly a volunteer position, but it will provide you with valuable, independent teaching experience. Each instructor will lead a seminar section of ~10 students that will meet Mondays, 11-11:50pm. You will be able to choose a topic for your seminar section, and though it should have some connection to biochemistry, a wide range of bioscience topics are typically accepted. If you are interested or have questions, please contact Lynne Prost at lprost@wisc.edu.
**Postdoctoral Fellow or Senior Scientist Position in Dr. Feyza Engin’s Lab - UW-Madison**

A postdoctoral fellow or senior scientist position is available in the laboratory of Dr. Feyza Engin ([http://www.enginlab.org](http://www.enginlab.org)) at the University of Wisconsin-Madison, Department of Biomolecular Chemistry. The laboratory uses mouse models, ex vivo culture systems, biochemistry and -omics to study the role of the organelle stress in particular, the endoplasmic reticulum stress, in the pathogenesis of diabetes. The position is renewable on an annual basis; up to 5 years of funding is currently available. To apply, send CV, cover letter, and names/contact information of three references to fengin@wisc.edu. Must have a PhD in Cell Biology, Biochemistry, Immunology, or related field with at least one first-author publication.

**Postdoctoral Fellow in Disease Mechanism Studies: UC-San Diego**

A postdoctoral scholar position is available at the University of California, San Diego in the Laboratory of Dr. Xin Sun, Professor of Pediatrics and Biological Sciences. Dr. Sun was a CMB faculty member and went to UCSD last summer. Her lab ([xinsunlab.org](http://xinsunlab.org)) focuses on disease mechanism studies, using interdisciplinary approaches to explore intersections of developmental biology, stem cell biology, genomics, epigenetic, neuroscience, immunology, and physiology. Specific areas of investigation include: 1) sensory and immune perception of the lung; 2) long-term outcomes of prematurity; 3) cellular and molecular feedbacks in building the lung; 4) modeling of patient variants for disease mechanisms. For more information, click here.

To apply, send a CV, statement of past research experiences and future career goals, expected availability date, and contact information of three references to Dr. Xin Sun at xinsun@ucsd.edu.

**Career Exploration Series - Videos of Past Events Available**

A list of upcoming and past events offered by the Office of Postdoctoral Studies can be found here: [https://postdoc.wisc.edu/careers/career-exploration-series/](https://postdoc.wisc.edu/careers/career-exploration-series/). Past events that have been recorded can also be found at this link, including the following titles:

- Careers in Biotech and Pharma
- Careers in Government Research Labs
- Careers in Research-Intensive Institutions: Assessing Your Competitiveness
- Careers as a Staff Scientist in Academia
- Careers in Research Cores
- Careers in Data Science
- Careers in Patent Law and Intellectual Property

**New CMB Elective Course: Molecular and Cellular Organogenesis**

The CMB Program has added a new elective course, CRB 650: Molecular and Cellular Organogenesis, which will be offered in Spring 2018. The instructor for each unit will be a different scientist recognized for advancing the understanding of the development of the organ being studied, and the course is co-directed by CMB faculty trainers Youngsook Lee and Grace Boekhoff-Falk. This course is intended for graduate and advanced undergraduate students interested in developmental/regenerative biology, stem cell biology, and molecular basis of normal organ formation. The course will cover the most current knowledge of the basic principles of organogenesis including the molecular and cellular pathways leading to
normal organ development. Tissue/organ specification, differentiation, and developmental processes, focusing on molecular signals and associated signal transduction pathways and transcriptional regulation will be covered in depth. Depending on the organ, current understanding of the role of stem cells and the molecular basis for congenital and acquired disease will be included. The Developmental Biology course (Zoology 470) by Jeff Hardin is recommended, but not required. Please contact the CMB program for a complete syllabus.

**Graduate Student TA needed for MMI/Biochem 575 - Spring 2018**

“Biology of Viruses” is a 2-credit, upper-level undergraduate course that teaches the molecular principles of general virology. Offered in the spring semester, this lecture-based class meets twice per week (Tues/Thurs, 11am). It has an enrollment of 50-75 undergraduates who are mostly interested in medicine, public health, or research. For the syllabus, go to [Virology575-syllabus-17](Virology575-syllabus-17) - the course received a student score of 4.7 (of 5.0) for overall student satisfaction. The two Das lead a team-taught discussion and present a lecture(s) in virology. This opportunity is for graduate students to gain experience in lecturing, writing and grading exams and problem sets, and working with undergrads. Must have a strong background in molecular biology and biochemistry - experience in virology is preferred by not required. Das must make a professional commitment to help for the entire spring semester. For additional info or to apply, contact the instructors: Paul Friesen (pfriesen@wisc.edu) or Andrew Mehle (amehle@wisc.edu). The deadline for making a commitment is December 20.