CMB E-Newsletter 11.10.17

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

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 - 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
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 but 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 Merle (amehle@wisc.edu). The deadline for making a commitment is **December 20**.

### Role of Government Agencies in F1 Student Process - Wednesday, Nov. 15

The presentation on the role of government agencies in the F1 international student process will take place during the International Education Week on Wednesday, November 15 from 12pm-1:30pm in Memorial Union (please see the schedule board for the room that day). Federal Government representatives from the Department of State and SEVP (Student and Exchange Visitor Program) will be available in person for agency updates regarding F1 student status and Q&A from pre-solicited questions.

### Faculty Response to Student Mental Health: Panel Presentation and Discussion - Thursday, Nov. 16

Faculty are in a critical position to play a key role in student mental health. Oftentimes, they are the first to notice when a student is struggling with mental health issues, but don’t know how to support them. Please join us for a panel presentation on how UW-Madison supports students with mental health concerns. In addition, this will be your opportunity to ask specific questions you have as you work to support students inside the classroom/laboratory/field placement. This presentation will be held on Thursday, November 16 from 12pm-2pm in Union South, Marquee. Please register by Wednesday, November 15. Contact Catherine Dougherty at catherine.dougherty@wisc.edu for more information.

### 3-Minute Thesis is Returning to UW-Madison! - Saturday, Dec. 16

Can YOU explain your research in 3 minutes? Find out! 3-Minute Thesis is an international competition in which PhD students hone essential career skills, communicating their research to a general audience. STEM students are eligible to compete and win cash prizes! Registration has met capacity for competitors, but please feel welcome to attend the competition on Saturday, December 16 from 10am-12pm in H.F. DeLuca Forum, WID.

### Postdoc Position Opening at Marine Biological Laboratory

A postdoctoral position is available at the laboratory of Dr. Kristin Gribble at the Marine Biological Laboratory (University of Chicago) in Woods Hole, MA, to study the role of mitochondrial homeostasis in neurodegenerative disease. This project takes a multidisciplinary approach, using phenotypic, transcriptomic, genetic, genomic, epigenetic, biochemical, and imaging methods in a novel animal model system, the monogonont rotifer. Applicants should possess a PhD or MD in molecular biology, cell biology, biochemistry, genetics, or a related field. The ideal candidate will have a record of scientific rigor, productivity, and creativity; the ability to work both independently and as part of a team; and a strong publication record. Highly motivated individuals with experience in other model systems are encouraged to apply. To apply, please submit: (1) a cover letter describing your research goals and motivation for joining the lab, (2) a CV, (3) a 1-2 page research statement, and (4) contact information for three references. To apply, click [here](#). For more information regarding the position, feel free to contact Dr. Gribble at kgribble@mbl.edu. This position is available immediately, and is renewable annually depending upon progress.
**Molecular Biology/Microbiology Research Scientist Position**

Solutions Through Innovative Technologies, Inc. has an opening for a Molecular Biology/Microbiology Research Scientist! Qualified candidates will possess a Masters/PhD in immunology, microbiology, cell biology, or cellular immunology with proven experience with human and rodent immune and epithelial cells, both in vitro and in vivo. Must provide strong technical leadership for project direction and troubleshooting, as well as the ability to work well with other scientists within a multidisciplinary team. The candidate will have a demonstrable track record of participating in research projects with contributions as an author to high-impact, peer-reviewed publications. Candidate must possess strong oral and written communication skills and an ability to thrive in a dynamic matrix research environment. If interested, please forward your resume to kim.haskins@sti-tec.com.

**Help Teach BMC 504: Human Biochemistry Lab, Spring 2018!**

The Integrated Program in Biochemistry (IPiB) is looking for one graduate student or postdoc volunteer to help teach Biomolecular Chemistry (BMC) 504, “Human Biochemistry Lab,” in Spring 2018. Course details and teaching responsibilities are as follows:

- **Biomolecular Chemistry 504: Human Biochemistry Lab (Spring 2018)**
- **Instructors:** Deane Mosher, Angela Kita, Matthew Merrins
- **Enrollment:** 40

**Course Description:** Lab and conferences on basic principles of biological chemistry with emphasis on general methods and techniques.

- **Meets:** TR 8:50-11:50am
- **Duties, Expectations, and Goals:** GAs/Postdocs will help assist students in the lab, provide feedback during discussions, check lab books, and prepare and grade quizzes. GAs/Postdocs will have the option to give a lecture during the summer.
- **No. of GAs:** 2 (Dana Dahhan and TBD)

If you are interested in this opportunity, please contact Kate Ryan at cryan7@wisc.edu or the instructor(s) of the class. You may also contact Dana Dahhan at dahhan@wisc.edu to learn more about the class from first-hand experience.

**WI Energy & Sustainability Challenge: Prizes for Student Solutions**

The Wisconsin Energy and Sustainability Challenge is calling on students to submit their novel ideas for creating a more sustainable planet. More than $10,000 in prizes will be awarded on February 23 to students with the most innovative solutions in environmental sustainability and clean energy technology. Any student, any field, any solution is welcome - entries will be judged on originality, feasibility, and environmental/societal impact. Students are encouraged to work in teams to develop their solution in any number of topics related to sustainability - clean energy, food, water, transportation, place-based issues, etc. Solutions can be in the form of new technologies, business plans, or social initiatives. For full details, visit: [http://energy.wisc.edu/wesc](http://energy.wisc.edu/wesc). Submission deadline is February 2, 2018 at 8am. To register your interest in the competition, visit: [http://go.wisc.edu/4g417o](http://go.wisc.edu/4g417o). For any questions about the competition, contact Scott Williams, Research and Education Coordinator at the Wisconsin Energy Institute, at spwilliams@wisc.edu.

**Professional Development for Graduate Students, November Events**

1. **DiscoverPD**

        DiscoverPD is a competencies framework and planning tool built by the Graduate School for UW-Madison master’s and doctoral students. Features include a skills self-assessment and activity tracker, customized reports and recommendations, and a database of 400+ in-person
activity tracker, customized reports and recommendations and a database of 400+ in-person and online opportunities. DiscoverPD helps students identify and articulate transferable skills and provides scaffolding and recommendations for planning professional development.

https://my.grad.wisc.edu/DiscoverPD

2. Developing IDP in the STEM Disciplines

MyIDP is a long-standing career planning tool tailored to meet the needs of PhD students and postdocs in the sciences. Features include exercises to examine skills, interests, and values; twenty scientific career paths matched to users’ skills and interests; a tool for setting strategic goals, with optional reminders; and a career exploration articles and resources.

https://grad.wisc.edu/pd/
http://myidp.sciencecareers.org/

3. Graduate Student Funding Application Workshops

The Office of Diversity, Inclusion and Funding in collaboration with other campus partners offers various funding workshops throughout the year to help prospective and current graduate students understand the funding landscape for graduate school at UW-Madison, as well as their own individual funding package. In addition, these workshops provide information and tools to help students seek funding on campus and with external agencies.

http://grad.wisc.edu/studentfunding/workshops