12/8/2014

Newsletter for the Week of December 7, 2014

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This Week’s Newsletter
Graduate School News and Events

Quick Links
Student Handbook
Graduate School Handbook
Student Forms
Faculty Lab Rotation Availability

Important Deadlines

Office Hours
Office hours: 8:00 am - 5:00 pm Monday-Friday

You may stop by 1170 or 1178 Graves Hall anytime to ask questions of Amy Lahmers, Program Director, or Lauren Graham, Office Associate.

E-Newsletter

College of Medicine
Biomedical Sciences Graduate Program E-Newsletter
1170 Graves Hall * 333 West 10th Ave * Columbus OH 43210
Office: (614) 292-0857 Fax: (614) 292-6226
bsgp@osumc.edu www.ibgp.org

For the Week of December 7, 2014

Graduate School News and Events

BSGP Annual Retreat
Mark your calendar for the Biomedical Sciences Annual Retreat on Wednesday, December 10, 2014
Submissions

To submit a news item to be considered for inclusion in the newsletter contact bsgp@osumc.edu

from 8:15 am-3:30 pm. The Retreat will be held at Ohio State’s Nationwide and Ohio Farm Bureau 4-H Center (across from the Schottenstein Center on campus); a continental breakfast and lunch will be provided. Students, please invite your mentor. Here is a [detailed agenda](#) for the retreat. Please RSVP by Friday, November 7th.

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**Biomedical Science Undergraduate Program is Seeking Volunteer for a Teaching Opportunity**

The Biomedical Science undergraduate program has volunteer teaching opportunities for the Spring semester.

The class is Biomedical Science 2900H (Biomedical Science Laboratory Techniques). It is held 9:35-10:55 T TH in Rm 1185 Graves Hall. This is a theory class, not a hands-on techniques class (see partial course syllabus below). Students will work with faculty instructors and can participate by giving didactic lectures, providing visual aids and recounting personal experiences. Examples of topics include immunology-based assays, protein extraction, tissue culture, DNA isolation, cloning, gene expression and electrophoresis. Please ensure that your PI is supportive of your desire to participate before volunteering.

Please contact Dr. Gunn ([john.gunn@osumc.edu](mailto:john.gunn@osumc.edu)) by Dec. 27th if you are interested. Provide your top 2-3 choices in rank order. We will fill the slots on a first come-first served basis.

Class 3: January 20 Analysis of tissues/cells- Immunohistochemistry, histology, Immunoprecipitation  
Instructor: Trgovcich/Gunn  
Class 4: January 22 Tissue culture  
Instructor: Waldman  
Class 5: January 27 Immunology-based assays (antigen antibody interactions); ELISA, flow cytometry,  
Instructor: Waldman  
Class 6: January 29 Immunology-based assays (cont.)  
Instructor: Waldman  
Class 8: February 5 Protein extraction (total, organelles, cellular compartments, tissues) and quantitation;  
SDS-PAGE; Western blotting  
Instructor: Trgovcich/Gunn  
Class 11: February 17 DNA isolation (genomic, plasmid); PCR design (primer design, bioinformatics)  
Instructor: Gunn  
Class 13: February 24 Cloning (restriction digestion, ligations, choice of vectors, E. coli transformation; mammalian cell transfection)  
Instructor: Acharya  
Class 14: February 26 Intro to gene expression, cultivation of bacteria  
Instructor: Acharya  
Class 15: March 3 Agarose gel electrophoresis, pulsed-field gel electrophoresis, 2-D gel electrophoresis, electrophoretic mobility shift assay  
Instructor: Acharya
**IBSO Officers in Action**

This year's IBSO officers volunteered last past at the Jingle Bell Run for Arthritis.

![IBSO Officers in Action](image)

**Fee Payment Deadline**

The fee payment deadline for the Spring 2015 semester is **January 5, 2015**. If fees are not paid by this time you will be charged late fees.

**Upcoming Events**

**Evening of FREE Fun at Clay Cafe**

Free Evening of Fun at the Clay Cafe  
When: December 14th, 4 - 6 PM  
Where: Clay Cafe on 5th Avenue in Grandview
Cost: FREE for graduate students

If interested please RSVP to Maria DiFranco at Difranco.33@osu.edu

Space is limited, so reserve your place early!

Deadlines and Events

Commencement- Dec. 21, 2014
Hayes Graduate Research Forum- Feb. 20, 2015

Other Information

College of Medicine: Opportunity to Improve Medical Spanish

The College of Medicine is looking into a site license for Canopy Medical Spanish Training [http://try.canopyapps.com/canopy-medical-spanish-free-trial-4](http://try.canopyapps.com/canopy-medical-spanish-free-trial-4) a tool developed with support of the NIH. This 40 hour online training program can be used for first time learners or bilingual Spanish speakers who want to improve their medical Spanish.

Students who successfully complete the training program earn a National Certificate for Bilingual Healthcare Providers (NCBHP). More information about the program can be found here [https://osu.box.com/s/c5xikys0zkc6bx666om](https://osu.box.com/s/c5xikys0zkc6bx666om)

The cost for the training program is typically $360 per user. With a site license the College of Medicine could help subsidize the cost for the program. In order to inform our decision we would like all residents and students to complete this survey [https://www.surveymonkey.com/s/KCP5DSD](https://www.surveymonkey.com/s/KCP5DSD)

Ohio Cancer Research Associates' 2015 Basic Cancer Research Seed Money Grant Competition

The Ohio Affiliate of Prevent Blindness is accepting applications for its 2015 Young Investigator Student Fellowship Awards for Female Scholars in Vision Research. The Fellowship Program is designed to provide support for outstanding female scientists committed to pursuing biomedical, behavioral or clinical research careers relevant to the mission of Prevent Blindness- to prevent blindness and preserve sight.

Applicants must be post-baccalaureate students enrolled in a masters or doctorate program, female
citizens or permanent residents of the United States. Prevent Blindness will give preference to fellowship applications which investigate public health issues related to the burden of eye-related health and safety topics. Applications from diverse fields in the health sciences including, but not limited to ophthalmology, optometry, nursing, genetics, public health, nutrition, gerontology, and bioengineering, are appropriate to the goals of this fellowship award.

Awards will range from $3,000 - $5,000 for research being conducted during the summer of 2015. Applications are due February 15, 2015.

Feel free to contact Margo Nash (nash.246s@osu.edu) if you have any questions.

The CCST Science and Technology Policy Fellowship

Offered by the California Council on Science and Technology (CCST), the CCST Science and Technology Policy Fellowship places professional scientists and engineers in the California State Legislature for one-year appointments. The program is designed to enable Fellows to work hands-on with policymakers in addressing complex scientific issues as well as assume all the other legislative responsibilities of full-time legislative staffers. The Legislature benefits from having the expertise of a trained Ph.D.-level scientist, who brings significant analytical, problem solving, research, and communication skills applied through the lens of the scientific method and the Fellows gain an invaluable, hands-on learning experience about the intersection of science, technology, and policy.

Building on the successful and highly acclaimed national model of the Science and Technology Policy Fellowships offered by the American Association for the Advancement of Science (AAAS) in the federal public policy arena, the CCST Science and Technology Policy Fellowship creates a similar interface in the California Legislature. The fellows learn the intricacies of the California legislative process and serve as fulltime legislative staff to provide recommendations, answers to technical questions, and clarification of policy options for a wide variety of issues, including those with science and technology related attributes. Please explore our website to learn more about the CCST Science and Technology Fellowships and to complete the application and instructions.

For more information or to apply http://fellows.ccst.us
And for a list of frequently asked questions see 
http://fellows.ccst.us/FAQ-A.php