Graduate School News and Events

**Quick Links**
- Student Handbook
- Graduate School Handbook
- Student Forms
- Faculty Lab Rotation Availability
- Important Deadlines

**Office Hours**
Office hours: 7:30am - 4:30pm 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 Submissions**
To submit a news item to be considered for inclusion in the newsletter contact bsgp@osumc.edu

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**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 May 17, 2015

**Graduate School News**

**Summer Office Hours**

Please note that the Biomedical Sciences Graduate Program office hours have changed. The hours are now 7:30 am - 4:30 pm.

**Stipend Increase**

We wanted to communicate an update regarding the stipend amount for the Biomedical Sciences PhD students. The College of Medicine’s standard stipend amount will be $27,576 ($2298.00/month) effective August 17, 2015. This represents a 2% increase over the current stipend amount.

Our Program Director Amy Lahmers will be communicating this change to the HR staff in departments where the students are working so that they can implement this change effective August 17, 2015.
The Ohio State Science Day - Judges Needed

The Ohio State Science Day for middle school and high school kids will be held on Saturday, May 16th at St. John's Arena (right on Campus)!

I am coordinating the Future Physician Scientist Award, which seeks to identify and recognize 7th-12th grade students who have potential as future physicians, scientists, or physician-scientists. This highly competitive award is one of the most-sought awards of the day- 154 competitors! This is a great opportunity to give back to the community while encouraging young people to consider a career as a physician and/or scientist. Who better to judge than students who have already decided to become scientists?

I am looking for volunteers to help judge the projects. The commitment would be minimal to the Arena, pick up your judging packet before 8am, view the projects you are assigned, and pick those you think are best. Then we'll talk about them all, and decide on winners. Once the judging is done, you're good to go! Parking is provided.

Last year, judges had a great time and got to hear about some really impressive projects.

If you think you are interested, please email me! Also email me with any questions! Your help would be greatly appreciated!

More details about the day can be found here: [http://www.ohiosci.org/ssd-2015/](http://www.ohiosci.org/ssd-2015/)

- Ellen Lubbers

MVIMG 8845 Course Offering

Course Rationale: To understand immunological research, students must understand its history so to appreciate where the field of immunology started, the progress and discoveries made and how we arrived at where we are today. Therefore, there exists a need to allow graduate students, postdoctoral fellows, and undergraduates to become familiar with the rich history that exists in the field of immunology. It is anticipated that a sound understanding of the history of immunology will allow students to be more thoughtful with respect to the scientific questions to be asked, more insightful in their experimental design and better able to interpret their scientific data. For more information please contact Dr. Zhang.

BMI Fall Course Offerings

BMI 5710 - Introduction to Biomedical Informatics
Instructor: Philip R.O. Payne, PhD - Chair of BMI
Schedule: Tuesday/Thursday, 3:55 - 5:15 PM / Location: 245 Lincoln Tower
Synopsis: A survey of biomedical informatics theories and methods employed in the design, implementation and management of information systems supporting basic science, clinical and translational research, clinical health. Recommended course work in computer science, statistics, anatomy, physiology and terminology.

BMI 5760 - Public Health Informatics
Instructor: Bobbie Kite, PhD, MHS - Instructor, BMI OSU Health Plan
Schedule: Tuesday/Thursday, 9:35- 10:55 AM/ Location: 245 Lincoln Tower
Synopsis: Introduction to the emerging and critical field of Public Health informatics. This highlight the history, current and future use of informatics in the public health settings, an understanding of the role and broad application of informatics to promoting health and preventing disease.
BMI 5770 - Health Analytics: Data Discovery to Dissemination  
Instructor: Timothy Huerta, PhD  
- Associate Professor, BMI & Family Medicine  
Schedule: Wednesday, 4:10 - 6:50 PM / Location: 180 Cunz Hall  
Synopsis: Health Analytics is the science of analyzing health data for knowledge discovery and decision making. The sheer data types in healthcare settings results in what scholars call a DRIP environment: Data Rich - Information Poor. Data has become ubiquitous in healthcare settings from clinical decision operational/business planning; health decisions are now being made similarly. No programming experience is required, but students are expected to vigorously engage in their own learning; courses will require that students use and adapt to tools demonstrated during class.

BMI 7830 - Advanced Bioinformatics for Human Diseases / CSE 5599 Special Seminars Science  
Instructor: Kun Huang, PhD - Associate Professor BMI and Raghu Machiraju, PhD - Professor Computer Science & Engineering  
Schedule: Tuesday/Thursday, 1:00 - 1:55 PM / Location: 245 Lincoln Tower  
Synopsis: With the development of high throughput technologies such as microarray and next generation sequencing (NGS), bioinformatics has become an essential part of biomedical research in human diseases. The large amount of high throughput data has become the new bottleneck in many research projects.

Upcoming Events

Ohio Virology Association Presents Adolfo Garcia-Sastre, PhD

Adolfo Garcia-Sastre, PhD  
Professor, Department of Microbiology  
Fishberg Professor, Department of Medicine, Division of Infectious Diseases  
Director, Global Health and Emerging Pathogens Institute  
Icahn School of Medicine at Mount Sinai

MONDAY, May 18, 2015  
Food and social: 5:30 - 6:00 pm  
Seminar: 6:00 pm - 7:00 pm  
Main campus: 400 Prior Library

This special seminar features Dr. Adolfo Garcia-Sastre from the Icahn School of Medicine at Mount Sinai. The Garcia-Sastre Laboratory studies virus-host interactions focusing on the innate and adaptive immune responses to multiple viruses like influenza virus, dengue virus, and West Nile virus. Dr. Adolfo Garcia-Sastre is well-known in the influenza field for the development of reverse genetics techniques allowing the generation of recombinant influenza viruses from plasmid DNA (studies in collaboration with Dr. Palese), the generation and evaluation of influenza virus vectors as potential vaccine against different infectious diseases, the identification of the biological role of the non-structural protein NS1 of influenza virus during infection, and the reconstruction and characterization of the extinct pandemic influenza virus of 1918. Please join us for an exciting talk from this world renowned speaker!

Effective Grant Writing for Postdocs, June 12th

Effective Grant Writing for Postdocs  
Friday, June 12, 2015 | 8:30 a.m. to 5 p.m.

The Postdoctoral Advisory Council and BioScience Writers will host a grant writing workshop exclusively for postdoctoral scientists at Ohio State. The full-day workshop will focus on the fundamente
a compelling, competitive fellowship grant. Participants will learn the Preliminary Steps to Writing a Proposal (i.e. creating a timeline deliverables), Steps to Design Clear Scientific Aims and Hypotheses, Writing a Compelling Plan, and more. Far from a lecture, this workshop will include hands-on writing exercises feedback from BioScience Writers and your peers. Because of the hands-on nature of this participants will need to come prepared with the beginning stages of a fellowship application use the skills learned to modify their application throughout the workshop. Although core content will focus on NIH award mechanisms, writing exercises and advice applicable to those targeting NSF and other fellowship applications as well.

For the workshop application, please contact Lauren Graham at BSGP@osumc.edu.

Other Information

PLOS ONE: PLOS Early Career Travel Award Program

PLOS is pleased to announce the Early Career Travel Award Program. To recognize the career researchers and support opportunities for them to present their research findings a the scientific dialogue, PLOS will provide up to TEN Travel Awards of $500 each toward: a scientific conference where work has been accepted for presentation. This is a great opportunity for any of the past or current students working in your lab that co-authored a PLOS paper and we encourage you to share this information with them. Eligible researchers will be...

- Presenting at a conference taking place between August 1 - December 31, 2015.
- An author on an article published in any PLOS journal by the application date.
- Currently part of a graduate program or have received a graduate degree within the application deadline.

The application deadline for the travel award is June 30, 2015. For more information and visit: www.plos.org/travelawards

If you have any questions please let us know and we would be happy to assist.

Reply

Technology Entrepreneurship and Commercialization (TEC) Institute Position

Program Direct at the Technology Entrepreneurship and Commercialization (TEC) Institute Fisher College of Business. They are recruiting applicants for two new full time Commercialization Strategy Project Manager Positions at TEC. They’re seeking individuals whose interests business and technical disciplines to help develop commercialization plans for new techr Post-Professional Researcher position would be a good fit for someone with a degree in who hopes to pursue a career in product development or entrepreneurship.

Post doc position

A postdoctoral fellowship position supported by Prostate Cancer Foundation and the Institute are available in the laboratory of Dr. Nima Sharifi at the Cleveland Clinic.
Institute in the Department of Cancer Biology. Our laboratory is focused on molecular mechanisms of androgen synthesis and androgen gain-of-function that lead to resistance to androgen deprivation therapy and the translational relevance thereof. Areas of interest in this laboratory include:

1) Metabolic and genetic changes required for androgen synthesis
2) Clinical validation in patients and clinical trials utilizing innovative approaches
3) Animal models of advanced prostate cancer for translational and therapeutic studies
4) Identifying targets for the development of new pharmacologic therapies

We recently discovered that abiraterone, an FDA-approved drug, works by conversion to a more active steroidal metabolite (Li, et al. *Nature.* 2015 In press). We are currently working toward relationship between metabolite generation and treatment response in patients with prostate cancer identifying new chemical entities that are determinants of treatment response.

The position will provide a unique and multidisciplinary exposure to tumor metabolism, molecular oncology, drug development and clinical trials. This research program is supported by the Howard Hughes Medical Institute, the American Cancer Society, the Prostate Cancer Foundation, Department of Defense Prostate Cancer Research Program and the National Institutes of Health. Further details are available at the following link: [https://www.lerner.ccf.org/cancerbio/sh](https://www.lerner.ccf.org/cancerbio/sh)

Candidates should hold a doctoral degree with a background in molecular biology, metabolism. Candidates must have proficiency in verbal and written English. Candidates interested in the position should send their CV and contact information for 3 references to:

Nima Sharifi, M.D.
Kendrick Family Chair for Prostate Cancer Research
sharifn@ccf.org

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