Office Hours

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

You may stop by 1178 Graves Hall anytime to ask questions of Administrative Program Director, Amy Lahmers.

E-Newsletter Submissions

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

For the Week of March 4th, 2018

College of Medicine
Biomedical Sciences Graduate Program E-Newsletter
1178 Graves Hall * 333 West 10th Ave * Columbus OH 43210
bsgp@osumc.edu
www.medicine.osu.edu/bsgp

*New or Updated Items Marked With Asterisk
Kelly Regan-Fendt's Dissertation Defense

March 9th, 2018
Lincoln Tower 245 | 9:00am

"Integrative Network and Transcriptomics Approach Enables Computational Drug Repurposing and Drug Combination Discovery in Melanoma"

Sara Sinicropi-Yao's Dissertation Defense

March 7th, 2018
1140 Graves Hall | 12:00pm

"The Role of NOTCH1 in Lung Cancer"

*Student Highlight- Les Sprague

-What inspired you to become interested in research? I made a bioreactor to produce monoclonal antibodies from scratch for a chemical engineering project as an undergraduate. The entire idea and process of monoclonal antibody production (and downstream function in humans) was clever, and I have been interested in immunology research ever since.

-Briefly describe your current research project: I am working with oncolytic viruses in Dr. Tim Cripe's lab at Nationwide Children's Hospital. My main focus is how a molecule called HMGB1 can impact oncolytic virus replication and cancer cell sensitivity to chemotherapy drugs.

-What accomplishment are you most proud of from your graduate school career? I signed up as a donor with "Be the Match", and matched with a patient who had myelodysplastic syndrome (MDS). The only cure for MDS is bone marrow transplant, and this particular patient had leukemia before. It's been a couple of years, and the patient is fully recovered and doing well; we have talked on the past couple of Christmas Eve holidays, and it's a pretty emotional experience to impact someone in such a profound way. I have always hoped my interest in cancer research would help someone, and I was able to do that in a way I didn't think was possible.

-What is your long-term career goal? Developing and bringing new drugs to market is my long term goal.

*CGS Newsletter and Delegate Elections

CGS February Newsletter

CGS Delegate Elections are coming up with nominations between March 26th though April 16th with elections soon to follow. You can nominate someone in the program you think would be a good representative or you can nominate yourself online. Any questions about CGS or being a representative can be directed to Kristyn Gumpper.

**Stem Cell Strategies for Spinal Cord Injury: Managing the Microenvironment**
Dr. Anderson investigates the role of inflammatory mechanisms in degeneration and regeneration in the central nervous system (CNS), in particular the spinal cord. She collaborated with her husband, Dr. Brian Cummings, and Stem Cells, Inc., to develop a treatment for spinal cord injury using human neural stem cells. The therapy proved effective in mice and is now in human clinical trial. Dr. Anderson (and Dr. Stephen Huhn) will report on the trial, being conducted in Switzerland, as well as other work in her UC-Irvine lab. Dr. Anderson talks about how to bridge the junction between basic neuroscience and identifying translational strategies in SCI that will promote recovery of function.

"Inferring the interaction between influenza and bacterial pneumonia"

Pej Rohani, Ph.D. Professor, Odum School of Ecology
Department of Infectious Diseases, College of Veterinary Medicine, University of Georgia

Tuesday, March 27, 2018  |  1:30-2:30 p.m. (Lunch reception at 12:30)
Mathematical Biosciences Institute,
Jennings Hall Auditorium 355

Also streaming live and available afterward on demand at go.osu.edu/IDIseminars

Biomedical Informatics Summer Internship Program

The Department of Biomedical Informatics is accepting applications for its annual internship program this summer. This program provides undergraduate and graduate students opportunities to pursue research projects in the field of biomedical informatics under the guidance of research and operational staff and renowned faculty mentors in the Department of Biomedical Informatics.

→ Read more
→ Contact

Upcoming Medicine and the Art's Events:

Annual College of Medicine Art Show

Opening Reception: March 6, 2018 from 4-6pm
March 6, 7, 8, 2018 | 9am-5pm | Meiling Hall Lobby

Tools of the Trade: Communicating Biomedical Research

March 29th, 2018
11am-4pm
115 BRT

At this workshop, TEDx Columbus curator Ruth Milligan will train you to distill your work into a 60-second "elevator speech." Other speakers will address how and when to communicate with potential industry partners and present pointers on talking to journalists about your science.

Sponsored by Ohio State's Center for Clinical and Translational Science (CCTS)
To register, click [here](#). For more information, contact Stuart Hobbs.

**Action Required: Responsible Conduct of Research Training**

As noted in the Provost's recent [email](#) communication, OSU is now requiring that all faculty, staff and students eligible to conduct research at the university be trained in the Responsible Conduct of Research (RCR). As a "research eligible" individual, you are required to complete the RCR training by the end of the academic year in June 2018. The course is available online through the Collaborative Institutional Training Institute (CITI). Please note that this requirement is in addition to any other RCR training that you may have taken to date.

Many of you are already skilled in these areas and can demonstrate that competency by proceeding directly to the testing component of the module. For more information about the training, please see the [RCR FAQs](#).

**Access the CITI RCR Course**

**Attention Students: Updated Current Lab Rotation Sheet**

Please see the updated & attached [spreadsheet](#) for a list of the 34 faculty members looking for first year graduate students to rotate in their labs.

**Course Offerings**

**Cold Spring Harbor- Mouse Development Stem Cells and Cancer**

Please see the attached [flyer](#) for more information on a course being offered through Cold Spring Harbor Laboratory.

Any questions can be directed to Co-Instructor Tamara Caspary.

**Important Deadlines and Dates**

**Graduation Deadlines Calendar**

The Graduate School recently created a calendar regarding current and future deadlines for graduation. That calendar can be found [here](#). You may also find graduation deadlines outlined in this user-friendly [document](#).

The Graduate School also cleaned up the Final Semester Procedures page which can be found [here](#).

We hope you find this information useful!

**Fellowships**

***OSU Presidential Fellowship Competition**

The [Presidential Fellowship](#) recognizes the outstanding scholarly accomplishments and potential of graduate students entering the final phase of their dissertation research or terminal degree project. These fellowships provide financial support to students so that they may devote one year of full-time study to the completion of the dissertation or degree project unimpeded by other duties. Recipients of this award embody the highest standards of scholarship in our graduate programs. A minimum of a 3.6 GPA is required (a 3.8 or higher GPA is competitive for the competition).

In advance of the Graduate School's submission deadline, the Biomedical Sciences Graduate Program will receive applications of students who wish to be considered by March 16.
You may email your completed application with the materials below to Amy Lahmers. Once we receive student applications, we will rank the applicants and write the Graduate Studies Committee Chair's nomination letter.

Required materials:
- Student's current Academic Advising Report
- Student's complete graduate vitae
- Abstract of dissertation proposal or terminal degree project
- Student's research statement
- Advisor's statement
- Three letters of evaluation only (excluding the advisor's statement) - It is highly recommended that one of the letters be from an off-campus source.

See the Guidelines for more information.

Cure CF Columbus- Call for Applications

Purpose of this Request for Applications (RFA): The Cure CF Columbus (C3) program will be submitting a full Research Development Program (RDP) application in December/January 2018/2019. The grant will include up to 3 pilot and feasibility projects, two trainee fellowships, and 3 cores (Live Cell, Cell Physiology and Biochemistry, and CF Biorepository). The purpose of this RFA is to develop trainee projects that may be part of the C3 RDP application.

Background: C3 research is a multidisciplinary project focused on Host-Pathogen Interactions in Cystic Fibrosis (CF). The C3 research community includes physicians and scientists who are located at two sites in Columbus, Ohio: Nationwide Children's Hospital (NCH) and The Ohio State University (OSU).

Mission: The C3 research mission is to support and promote groundbreaking research and clinical CF-related activities at NCH and OSU, and to apply this knowledge for the development of new therapeutic strategies to ultimately cure CF.

Leadership: C3 Research is led by Karen McCoy, MD and Daniel Wozniak, Ph.D.

For more information, please read through the attached flyer. In addition, we have attached the application. It's instructions can be found on the flyer.

Careers in Immunology Fellowship Program

American Association of Immunologists
Due March 15, 2018

The AAI Careers in Immunology Fellowship Program supports the career development of young scientists by providing eligible PIs with one year of salary support for a trainee in their labs. View Webpage

Presidential Management Fellowship

The Presidential Management Fellows (PMF) Program is administered by the U.S. Office of Personnel Management (OPM). Each year, candidates apply to the program in efforts to be selected as Finalists. Finalists are then eligible for appointment as Presidential Management Fellows (Fellows; PMFs).

To become a PMF, you must participate in an rigorous, multi-hurdle process. It takes patience and endurance, but also gives you a chance to demonstrate your leadership ability and potential. As a PMF, you will have earned your place in the program, and the opportunity to grow professionally, serve your country, and make a difference!
The very first step in successfully becoming a PMF is paying attention to the details of the annual application and assessment process. For detailed eligibility requirements, check out the Eligibility webpage. Once the application period opens, it will appear on USAJOBS (www.usajobs.gov). The application is typically open for two weeks and closes at 11:59 PM (Eastern Standard Time) on the last day. Review the Application Process to learn about all the steps to apply.

Post-Doc Opportunities

*Post-Doctoral Researcher Position*

The laboratory of Dr. Amanda Toland is looking for a motivated and enthusiastic postdoctoral researcher to study the impact of germline genetic variants on mutation frequency of breast and colon cancer with a focus on racial disparities. The postdoc will be responsible for using CRISPR/Cas9 technologies to model gene by mutation interactions in cancer as well as performing genotyping, mutational analyses and in silico functional predictions of variants of interest. The postdoc is expected to participate in manuscript and grant writing as well as training junior researchers in the laboratory. A PhD or MD/PhD in genetics, molecular epidemiology, molecular biology or related field is required. Background in genetics with a knowledge of cell culture and basic bioinformatics is preferred. A training program for the postdoc will include specialized training in research related to racial and other disparities in cancer and as well as career development.

Please send curriculum vitae to:
Amanda Ewart Toland, PhD, FACMG
Associate Professor
Ph: 614-247-8185

Post-Doctoral Position- Vascular Biochemistry

Title: Postdoctoral Researcher
Contact Email: Lianwang.guo@osumc.edu

For more information, including the job description, please see the attached flyer.

NCI Graduate Student Recruiting Program

The attached handout has information regarding post-doctoral fellowships within the NCI. In addition, a recruiting event is being held May 2-3.

Other News and Events

*Congratulations to BSGP's Miguel Lopez and OSU's AASE CASE Fellows*

The Battelle Center for Science, Engineering, and Public Policy, in the John Glenn College of Public Affairs, is pleased to announce the selection of 4 Ohio State University students who will attend the American Association for the Advancement of Science workshop, "Catalyzing Advocacy in Science and Engineering," in Washington D.C., March 18-21, 2018.

Please join us in congratulating Jonathan Ogland-Hand, PhD student in Environmental Science, Miguel Lopez Jr, PhD student in Biomedical Sciences, Natalie Hurst, BS student in Public Policy; and Priscila Rodriguez Garcia, PhD student in Molecular Genetics. These students were selected from a competitive pool of students across many different OSU colleges and departments.

The students will spend a few days in Washington learning about the structure and organization of Congress, the federal budget and appropriations process, the role of science in policy-making, and tools for effective science communication and civic engagement.
Additionally, OSU's students will conduct meetings with Ohio's elected Members of Congress and congressional staff.

**Funding and Leadership Opportunity for PhD Students in the Sciences**

The following is a letter from the Health Policy Research Scholars program:

The Health Policy Research Scholars program is a national leadership program that provides training in health policy, leadership development, mentoring support, and funding to doctoral students from all disciplines. After completing the program, Scholars will apply their research to advance health and equity to work toward building a Culture of Health.

The term **Culture of Health** is the recognition that our health is influenced by where we live, how much money we make, what schools we go to, and many other factors. We need to work across disciplines to make this goal a reality, which is why we want to partner with scholars in the sciences on this journey.

We are looking for diverse students who use theory and innovative methodologies to study in a variety of areas—including neuroscience, biology, and chemistry—with the goal of improving the health and well-being of individuals and communities.

Applicants must be:

- Entering the second-year of a full-time doctoral program in Fall 2018
- From an underrepresented population and/or disadvantaged background
- Pursuing a research-focused discipline that can advance a Culture of Health
- Interested in health policy and interdisciplinary approaches

The **application** deadline is March 14th at 3:00pm

**Need Help? CCS is here for you!**
Counseling and Consultation Service

You Matter

Ohio State University
Office of Student Life
Counseling and Consultation Services
COUNSELING AND CONSULTATION SERVICE

WHO WE ARE
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We're Here To Help With:
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- Substance Use
- Eating Concerns
- Anxiety
- Depression
- And Much More

CONTACT US
PHONES: 614-292-5766

LOCATIONS:
Youman Success Center, 4th Floor 1840 Neil Ave,
Lincoln Tower, Suite 1030 1800 Cannon Dr

Website: www.medicine.osu.edu/bsgp

You can find more information about the services provided at Counseling and Consultation Services on their website.

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