This Week’s Newsletter

Quick Links
Student Handbook
Graduate School Handbook
Student Forms
Important Deadlines
Current Lab Rotation Openings

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 April 1st, 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

Graduate School News
Rachel is a 4th year BSGP Student

What inspired you to become interested in research?
I have been interested in science and medicine from a young age but originally was a pre-vet major in college with the intention of eventually continuing on to veterinary school. It wasn't until I started working as a research assistant in first a Neurology lab at OSU and then a Microbial Pathogenesis lab at Nationwide Children's Hospital that I really began to develop an interest in research. I loved working on projects investigating questions that had never been answered before and I particularly wanted to be involved in research that expanded the way we currently think about therapeutics and infectious disease.

Briefly describe your current research project.
I am in the labs of Dr. Kevin Mason and Dr. Sheryl Justice in the Center for Microbial Pathogenesis at The Research Institute at Nationwide Children's Hospital studying how nontypeable Haemophilus influenzae (NTHI) regulates essential metabolic activities while countering immune defense strategies of the host. Specifically, I am trying to determine the mechanism behind how NTHI is able to persist and cause chronic and recurring episodes of otitis media in children by focusing on host and bacterial factors that drive the formation of intracellular bacterial communities.

What accomplishment are you most proud of from your graduate school career?
I'm really proud of myself for being able to complete and pass my candidacy exam just three weeks before my daughter was born! :) More generally, I'm proud of the improvement I see in my critical thinking skills and perseverance compared to when I started my graduate career.

What is your long-term career goal?
I'm really interested in the commercialization and business development side of science. I've been working as a licensing intern in the Office for Technology Commercialization at Nationwide Children's Hospital for the past two years, and I'd love to continue working in that field or as an industry scientist. I love getting to work with scientists from many different fields to help further ideas for novel therapeutics or devices that will benefit the medical community.

Nicholas Denton's Dissertation Defense

April 2nd, 2018
234 Meiling Hall | 2:00pm

"Modulation of tumor associated macrophages enhances oncolytic herpes virotherapy in preclinical models of Ewing sarcoma"

Leslee Sprague's Dissertation Defense

April 5th, 2019
James L045 | 10:00am

"Please stand by: Investigating the bystander effects of the oncolytic virus HSV1716"
*Anisley Valenciaga's Dissertation Defense

April 6th, 2018  
BRT 134 | 2:30pm  

"Cell cycle regulators and transcriptional targeting in Medullary Thyroid Cancer"

*Daniel Fenn's Dissertation Defense

April 9th, 2018  
206D Rightmire Hall | 1:00pm  

"The Role of Neurofilament Transport in Cytoskeletal Organization"

*Adventures in Research with Undergraduates and other Mammals

Wednesday, April 18 | 3-4 pm  
1063 Graves Hall

Dr. Thomas Goodwin, Hendrix College

Abstract: As the title suggests, this presentation will cover several undergraduate research projects over my 39-year career at Hendrix College. I will follow the instructions of the King to the White Rabbit in Alice in Wonderland: "Begin at the beginning and go on till you come to the end, then stop." I will commence with my humble science beginning in rural Arkansas and progress to the present. Our primary research interests in have been tripartite: (1) synthetic organic chemistry of various types, (2) mammalian chemical communication, and (3) development of green chemistry experiments for the introductory organic chemistry lab. I will highlight representative examples from the three categories. Please see the attached flyer for more information on this seminar.

*FDA Regulated Research: IND/IDE Overview and Audit Preparedness (Conference)

When: Tuesday, May 29, 2018  
Time: 8 AM to 2:45 PM  
Where: Biomedical Research Tower, Room 115

The Center for Clinical and Translational Science in collaboration with The Ohio State University Office of Responsible Research Practices and Nationwide Children’s Hospital will host an FDA-focused conference entitled "FDA Regulated Research: IND/IDE Overview and Audit Preparedness." The conference will include a number of speakers from academic institutions, regulatory experts, The Ohio State University, Wexner Medical Center, OSU College of Veterinary Medicine, and Nationwide Children’s Hospital and will focus on the following key topics:

- The pre-human IND/IDE process
- IND/IDE process for human studies
- Quality Management Plans
- Risk-based Monitoring

Register Here

*CGS March Newsletter

Newsletter
Message from Kristyn Gumpper, BSGP Representative for CGS:

Dear BSGP,

I have recently been elected the Treasurer for the Council of Graduate Students for the 2018-2019 academic year. This means I will no longer be able to represent all of you in the council. If you would like to get involved in CGS or the University Senate, consider applying for the open positions at https://cgs.osu.edu/get-involved/.

- The delegate nomination period is open from March 26th to April 19th. Elections will be held online from April 20th to April 27th.
- Senator applications are due April 7th. Elections will be held at the April 13th CGS Meeting in the Senate Chambers on the 2nd floor of the Ohio Union. Applicants will receive an email with details concerning the election process prior to the 13th.

If you have any questions about the election process or being a delegate/senator, feel free to email me at Gumpper.1@osu.edu

Infectious Diseases Institute Seminar

R. Kip Guy, PhD
April 10, 2018
111 Parks Hall

“SJ733, a novel antimalarial, from discovery to mechanism”

Dr. Guy is the dean of the College of Pharmacy at the University of Kentucky and a professor in the Department of Pharmaceutical Sciences. He received his BA in chemistry from Reed College in Portland, Oregon. He received his PhD in organic chemistry based on the total synthesis of taxol from the Scripps Research Institute (TSRI) in La Jolla, California.

Dr. Guy’s research is focused on the discovery and development of novel small molecules that target the pathophysiology of orphan pediatric diseases, particularly pediatric oncology and protozoal infectious diseases. Most of his group’s work falls into the areas of chemical validation of novel targets, lead discovery and optimization of novel chemical matter for validated disease targets, and use of non-targeted whole-cell strategies for lead discovery and optimization. He is the author of 173 papers and book chapters, and the inventor on 18 issued patents.

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.

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

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 in 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

Graduate Business Minor for Health Sciences

The Ohio State University’s health sciences colleges train highly motivated and intellectually outstanding students to be experts in their field. Given the changing nature of the health sciences industries, there has never been a time when employers have placed such a premium on business acumen and principled leadership. The graduate business minor addresses this
growing demand by providing graduate-level business training through the Fisher College of Business to Ohio State students pursuing advanced degrees in health science fields.

Program highlights:

- Gain a rich and powerful toolset for addressing today's managerial and business challenges.

No matter where your career leads, you'll make critical decisions with significant consequences. This program gives you the foundation to anticipate, tackle, and resolve the broad set of challenges you will face.

- Experience a dynamic in-class, case-based learning environment.

Learn from face-to-face interaction with leading researchers and practitioners.

- Complete the program in one accelerated summer.

It takes just three months to develop and hone your leadership skills in this rigorous program which does not require additional time before graduation and does not overlap with your primary program.

- Share the classroom experience with a diverse set of students.

Collaborate, learn with, and learn from other students in health science programs from all around The Ohio State University campus.

- Connect the classroom experience to real-world business challenges.

In the capstone project management class, you'll deeply interact with an organization in your industry and apply your new skills to a real-world problem.

- Distinguish yourself!

You're about to enter a competitive labor market. This one-of-a-kind program will help you differentiate yourself from other students in your profession.

Program Details:

* 12 total credit hours.
* M-Th Evenings in summer term.
* Does not extend your time to graduate.
* Does not impact your program GPA.
* Earn a Graduate Business Minor in addition to your primary degree.

[https://fisher.osu.edu/graduate/graduate-minor-business-health-sciences](https://fisher.osu.edu/graduate/graduate-minor-business-health-sciences)

To find out more about the program, contact Prof. Benjamin Campbell

Need Help? CCS is here for you!
COUNSELING AND CONSULTATION SERVICE

WHO WE ARE
We promote personal well-being and the academic success of students by providing comprehensive mental health services.

Comprehensive Services Include:
- Individual Counseling
- Group Counseling
- Psychiatry
- Couple’s Counseling
- Outreach and Workshops
- Crisis Support and Debriefing
- Consultation for Faculty, Staff and Loved Ones
- Community Referral

We’re Here To Help With:
- Stress Management
- Life Transitions
- Academic Concerns
- Identity Exploration
- Relationship Problems
- Substance Use
- Eating Concerns
- Anxiety
- Depression
- And Much More

CONTACT US
PHONE: 614-292-5766

LOCATIONS:
Youman Success Center, 4th Floor 1640 Neil Ave.
Lincoln Tower, Suite 1030 1800 Cannon Dr.

Find Us Online: CCS.OSU.EDU

Download the new OSUCCS App

www.medicine.osu.edu/bsgp

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