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 December 10th, 2017

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
*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.

*Student Highlight: Julia Scordo

-What inspired you to become interested in research?
I spent one summer during my undergraduate career as a medical volunteer in Central America. I quickly realized that practicing medicine was not my passion and instead I was truly interested in tackling the research questions that would help improve public health. After graduation I spent two years out in industry working as a research associate and knew that graduate school was the right choice for my career. With advanced education I would be able to drive my own research and spend time in a field that I was truly passionate about.

-Briefly describe your current research project.
In Dr. Torrelles's lab we study Mycobacterium tuberculosis (M.tb) infection, which is responsible for the disease tuberculosis. Our focus in the lab is determining the role of the lung environment in altering M.tb infection outcome. My current research project in the lab focuses on understanding how host heterogeneity in the human lung mucosa, or alveolar lining fluid (ALF), influences the outcome of M.tb infection in alveolar epithelial cells (ATs). Also, I study how ALF can alter the interaction between ATs and other alveolar compartment cells during M.tb infection.

-What accomplishment are you most proud of from your graduate school career?
There are two that are at the top of my list: 1. My first co-authorship paper from the Torrelles lab. Not only was this my first publication, but it was truly a lab effort in publishing the paper. I was happy to be included in the process and found the publication process very informative. This definitely taught me a lot that I was able to use for future paper submissions! 2. Being a part of the mentorship of undergraduates in the lab. I really enjoy teaching and mentoring others, and have found this to be a really rewarding role to take in the lab. Science can be tedious and frustrating, but being able to see others grow in confidence and skill is definitely a bright spot!

-What is your long-term career goal?
My short-term career goal is to secure a post-doc research position at a university in the fields of infectious diseases and immunology. In this position I hope to gain additional research skills to strengthen my experience. My long-term career goal is to transition into a position where I can use my research background to help communicate the importance of research to the general public, either in the fields of public health education or public health policy.

*Special Seminar: Laurea Ferraiuolo

December 11th, 2017 | 4-5pm L035 Wasserstrom Room in James Hospital
"Harnessing artificial intelligence to identify novel therapeutics for Amyotrophic Lateral Sclerosis, using patient-derived models to drive their clinical development"

Course Offerings

*New Course Offering: Translational Neuroimmunology

HTHRHSC 7595
This course is designed for graduate doctoral or master's level students involved in basic or translational research in Immunology or Neuroscience. Students develop skills in teaching, analyzing, synthesizing, discussing and...
presenting immunology and neuroscience research. Representation from students with both Neuroscience and Immunology emphasis is encouraged to enhance the depth of understanding of both areas and further develop Neuroimmunology strengths.

Course Offering: Biochemistry 8990

Feb 28-Apr 23 | TTh 9:35-10:55am 1.5cr
"Breaking barriers: delivery across biological membranes"
Instructor: Dr. Dmitri Kudryashov (kudryashov.1@osu.edu)
For more information, see the attached flyer.

Course Offering- Cellular/Molecular Pathogenesis of Inflammation

Pathology 7847 (2 credits) | Tuesdays 3-5pm
This course will focus on the role of inflammation in health and disease. A combination of lectures and student discussions will be used to present information on the beneficial and detrimental effects of inflammation.
For more information, please see the attached flyer.

Course Offering- Fundamentals of Oncology

Pathology/Veterinary Biosciences 6640 (4 credits)
Class consisting of a series of lecture/seminars, each two hours in duration covering a variety of aspects of oncology
Please see the attached syllabus for more information.

Course Offering- Biopolymers

BME 5359 (3 credits)
Course Description: Extracellular matrix (ECM) present in mammalian tissue(s) is important for the integrity and tensile strength of the underlying tissue as well as for cell-matrix interactions and matrix mineralization. This course provides an overview of the composition, structure and function of ECM and its application(s) for the BME domains of biomaterials, tissue engineering and biomechanics.
Please see the attached flyer for more information.

Course Offering- Biochemical Mechanisms of Carcinogenesis

CBG 8270 (2 credits)
The goal of this course is to provide graduate students with an overview of fundamental mechanisms leading to cancer. Through review of current literature, we will discuss many cancer topics including angiogenesis, DNA repair, aneuploidy, replicative potential and telomeres, tumor invasion/metastasis, the role of the tumor microenvironment, epigenetics, exosomes, apoptosis, drug resistance, role of the immune system, microbiome, mechanisms/regulation of key tumor-suppressor genes and oncogenes and cancer susceptibility.
For more information see the attached flyer.

New Course Offering- Gut Microbiology

This is a new course (2 credits) offered to graduate students in the first session (January 8 to February 23) of the Spring semester of 2018. In this course students will learn about gut microbiome and its function (nutritional and health) to the host. The class will meet from 9:10 to 11:15 TuTh in room 202, Animal Sciences Bldg.
For more information, see the attached flyer or contact Dr. Zhongtang Yu.
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

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 a 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.

Smithsonian Institution Fellowship

The Big Ten Academic Alliance and the Smithsonian Institution (SI) invite fellowship applications for one-year fellowships to support research in residence at Smithsonian Institution facilities. Fellowships carry a stipend of $32,700. All fields of study that are actively pursued by the museums and research organizations of the Smithsonian Institution are eligible.

For more information, including application instructions, please visit the organization's webpage.

Post-Doc Opportunities

PRISM - Stanford Postdoc Recruitment Event

March 14-17th; Applications due Jan 15

PRISM (Postdoctoral Recruitment Initiative at in Sciences and Medicine) is an opportunity for select late-stage graduate students from diverse backgrounds to come to Stanford for a recruitment weekend, interview with potential mentors, and get the inside scoop on postdoctoral training at Stanford. The purpose of this program is to encourage those who might not currently consider a postdoctoral position at Stanford to get a first-hand look at whether Stanford might be a good fit for them. Our goal is to match excellent trainees to excellent mentors at Stanford.

For more information, or to apply, click here
Register for the Community Engagement Conference

This January 24-25, The Ohio State University will host the inaugural Community Engagement Conference. Featuring keynote speaker, former Secretary of Health and Human Services, Dr. Donna Shalala, the conference will bring together faculty, staff, students and community members around a common theme: "Partnering to Advance Health and Wellness."

Click here for more information on registering.

Fall Nutrition Seminars

Fall 2017 OSU Nutrition Program Seminar Series
Seminars are on Fridays 11.30 AM - 12.30 PM in Ag Admin 246 and 122 Gerlaugh Hall. For inquiries, contact Dr. Shelia Jacobi (Jacobi.1@osu.edu) or Dr. Tonya Orchard (orchard.6@osu.edu)

Click here for more information.

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

Find Us Online: CCGS.osumc.edu

HOURS:
MONDAY – THURSDAY: 8 a.m. – 8 p.m.
FRIDAY: 8 a.m. – 5 p.m.

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