Other News
- Precision Genomics Midwest Conference
- Annual Cancer Health Equity Conference
- Congressional Fellowships on Women in Public Policy

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

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 21st, 2019
College of Medicine
Biomedical Sciences Graduate Program E-Newsletter
Congratulations to the BSGP Students who received Travel Awards at the College of Medicine’s Research Trainee Day 2019

- Aleksandra Adamovich
  • Mentor: Dr. Jeff Parvin
  • Trainee Group: Graduate Student
  • Title: Functional Analysis of BARD1 Missense Variants in Homology-Directed Repair and Damage Sensitivity

- Janani Ravikrishnan
  • Mentor: Dr. Deepa Sampath
  • Trainee Group: Graduate Student
  • Title: Targeting PKC-β in CLL Patients with Mutant p53

- Nathaniel Murphy
  • Mentor: Dr. Peter Mohler
  • Trainee Group: MSTP
  • Title: Dysfunction in the Non-Desmosomal ANK2 Predisposes to Arrhythmogenic Cardiomyopathy and is Amenable to Therapy

- Jennifer Petrosino
  • Mentor: Dr. Federica Accornero
  • Trainee Group: Graduate Student
  • Title: ADH1 regulates paracardial fat remodeling and accumulation

Congratulations to Dr. Mireia Guerau-de-Arellano, PharmD, PhD 2019 Research Mentor of the Year Award

Dr. Guerau-de-Arellano’s life-long research goal is to improve health through understanding immunological processes that drive inflammation and autoimmunity. She has established a niche independent research program focused on how molecular mechanisms, namely miRNA and arginine methyltransferases, drive inflammation and MS autoimmunity with the long-term goal of developing novel MS diagnostics or therapies. Upon joining OSU, her work was the first to identify miRNA changes that promote inflammatory T cells in MS patients. As a faculty member, she demonstrated that miRNA similarly promote inflammation in other immune cells that promote MS and identified novel markers to follow these cells. Another major achievement has been the discovery that the miRNA-regulatable epigenetic enzyme PRMT5 is crucial for inflammatory T cell responses that drive MS. This discovery implies that modulating PRMT5 may be therapeutic. Further, she has developed novel PRMT5 inhibitor drugs in collaboration with the PRMT5 team at the OSU Comprehensive Cancer Center Drug Development Institute. This work led to an exclusive license agreement between Ohio State Innovation Foundation and a start-up therapeutics company. Her expertise in molecular
epigenetic mechanisms of inflammation and animal models of MS has also led to team-science achievements with researchers at OSU, Nationwide Children’s Hospital, Cleveland Clinic, University of North Carolina and Yale University.

Congratulations Ashley Zani

Congratulations to Ashley Zani on being awarded a 2019 National Science Foundation (NSF) Graduate Research Fellowship (GRF).

Course Offerings

Fellowships

NASA Fellowship Activity 2019

NASA Office of STEM Engagement (OSE) opened a call for graduate research proposals on March 22, 2019. The NASA Research Announcement (NRA) NNH19ZHA001N: NASA Fellowship Activity 2019 is seeking student-authored and independently conceived graduate research proposals responding to a NASA Research Opportunity listed in the solicitation. The 2019 NASA Fellowship Activity is designed to support OSE objectives and provide academic institutions the ability to enhance graduate-level learning and development. The program details and requirements are outlined in the solicitation document.

To be eligible to submit a proposal, candidates must be U.S. citizens or a national who hold a bachelor's degree in a STEM field earned before Aug. 31, 2019. Candidates must be enrolled in a master's or doctoral degree program no later than Sept. 1, 2019, and intend to pursue a research-based Masters or Ph.D. program in a NASA-relevant field.

Proposals are due May 24, 2019.

For full program details, visit: NASA Fellowship Activity 2019.

Questions concerning these program elements may be directed to Vandhana Lal.

Post-Doc Opportunities

Other News and Events

*Precision Genomics Midwest Conference
Join Cincinnati Children's and the University of Cincinnati on **May 10, 2019** for their third annual **Precision Genomics Midwest**—the region’s largest genomics conference.

PGM features talks by thought leaders in research, clinical, and translational genomics, and a top-quality vendor fair, showcasing the field’s leading-edge products and services.

Special breakout sessions include:

- Cancer Genomics
- Cell-Mapping Informatics
- Clinical Genomics
- Ethical, Legal & Social Implications in Cancer Genomics
- New Genomic Technologies
- Translational: Neurogenomics

All are welcome, and registration is FREE!

**Learn more**

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**Annual Cancer Health Equity Conference**

**Wednesday, May 22** 9:30 a.m. - 3:15 p.m.
**Thursday, May 23** 8:30 a.m. - 3:15 p.m.
Nationwide & Ohio Farm Bureau 4-H Center
2201 Fred Taylor Drive
Columbus, OH 43221

**Register**
Registration is free and required to attend.

**Questions?**
go.osu.edu/CAHealthEquity
Will Bryan

This event has been approved for CME and CNE credits.

**Agenda**

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**Congressional Fellowships on Women in Public Policy**

The Women's Congressional Policy Institute has released the 2020 application for their **Congressional Fellowships on Women and Public Policy**. The fellowships are designed to train potential leaders in public policy formation to examine issues from the perspective, experiences, and needs of women. This program is unique – the only graduate-level fellowship program on Capitol Hill focused on women. Fellows work 40 hours each week in a congressional office as a legislative fellow on policy issues affecting women, and meet weekly for issue seminars directed by the WCPI staff. The opportunity is for students who currently are enrolled in a graduate program, or who have completed such a program within the past two years.

**Fellowship Overview**

**Application**

**Eligibility**

Application deadline is June 3.
Submit your artwork for the OSUCCC – James 2019 Art of Cancer Research Competition

To further the bridge between art and science at the OSUCCC – James, we encourage you to submit your scientific art to be reviewed and displayed during the 20th Annual Scientific Meeting on Wednesday, May 8, at the Ohio Union.

- This includes scientifically appropriate images, diagrams or illustrations that are artistic, informative, interesting or educational. These images should be associated with a scholarly work that has the potential to be published. Examples include microscopic images, confocal micrographs, artistic renderings, photographs, etc.
- Prizes will be awarded to the top three entries and announced at the meeting. The prizes are:
  
  First Place – $200 gift card  
  Second Place – $100 gift card  
  Third Place – $50 gift card
- Entries will be accepted only by email and must be submitted as a jpg, tiff, eps or pdf file. Please send the file in the highest resolution possible. Files with a size of 1 megabyte or larger—ideally 300 pixels per inch—are recommended.
- All entries will be displayed at the meeting, and they will be considered as a possible featured art exhibit in The James.

Please send your entries by email to Cati Pachmayer.

The deadline to enter the Art of Cancer Research contest is Friday, April 26.

SciAccess Conference

The Science Accessibility Conference is an international conference dedicated to promoting disability inclusion and diversity in science. It will be June 28 and 29, 2019 at the Ohio Union. Registrations are due April 25. The Keynote Speakers will be Anousheh Ansari the First Female Private Space Explorer and Dr. Temple Grandin a Renowned Autism Advocate.

More information here.

2019 International Conference on Intelligent Biology and Medicine (ICIBM 2019)

It is our great pleasure to announce the 7th International Conference on Intelligent Biology and Medicine (ICIBM 2019), which will take place in Columbus, OH, USA in Jun 9-11, 2019, http://icibm2019.org/. ICIBM is a high caliber conference which brings together eminent scholars with expertise in various fields of computational biology, systems biology, computational medicine, as well as experimentalists interested in application of computational methods in biomedical studies. The purpose of the ICIBM is to provide a congenial atmosphere highly conducive to extensive discussion and networking.
Travel Awards
The conference typically provides 20 travel awards to students/postdocs; awards will be granted through an NSF grant application.

Important Days
**Deadline for travel award application:** May 1, 2019  
**Conference early registration deadline:** May 8, 2019  
**Conference regular registration:** May 9 – June 8, 2019

Contact

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2nd Conference on Biomotors, Virus Assembly, and Nanobiotechnology Applications

Dr. Peixuan Guo would like to invite you to join him and 65 renowned researchers and colleagues for the 2nd Conference on Biomotors, Virus Assembly, and Nanobiotechnology Applications from **July 29 - July 31, 2019 at The Ohio State University, Fawcett Event Center,** Columbus, Ohio, USA, 43210.

**Early bird registration deadline June 1st**  
**Registration closes July 15th**  
Register [here](#). Learn more [here](#).

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Need Help? CCS is here for you!

You can find information about the services provided at Counseling and Consultation Services on their [website](#).

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**Biomedical Sciences Graduate Program**

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