Highlights of New or Updated Items

BSGP News
- Congratulations to the BSGP Students who received Travel Awards at the College of Medicine’s Research Trainee Day 2019
- Congratulations to Dr. Mireia Guerau-de-Arellano, PharmD, PhD
- Congratulations to Ashley Zani

Other News
- Mock NIH Study Section Review
- Submit your artwork for the OSUCCC – James 2019 Art of Cancer Research Competition

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 14th, 2019

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

BSGP News

*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 Multiple Sclerosis (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).

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**Dissertation Defense Format Clarification**

There have been some questions regarding the timing and format for dissertation defenses, so here is the policy from the graduate school handbook.

**Attendance and Format.**

All members of the final oral examination committee are expected to be present during the entire examination. All committee members are expected to participate fully in questioning during the course of the examination and in the discussion of and decision on the result. The final oral examination lasts no longer than two hours. A public presentation of the dissertation research by
the doctoral candidate including questions from the public is allowed within the
two hour period. The public presentation, including public questions, is
recommended to last about one half-hour. Other faculty members and
graduate students may attend the public presentation of the examination,
subject to the rules of the Graduate Studies Committee. It is recommended
that committee members hold substantial questions for the oral examination in
the closed questioning after the public presentation. At least one hour of the
two-hour examination period, however, must be allotted to discussion of the
research and to questions of the committee and answers by the doctoral
candidate. Local programs may develop additional local protocols and
procedures.

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. An
informational webinar about this fellowship will be presented on April 18, 2019
time to be announced. The telecom number is 1-844-467-6272, and the
passcode is 549325. The information to join the meeting via the web will be
posted on the solicitation webpage once the information is available.

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

Post-Doc Opportunities

Other News and Events

*Mock NIH Study Section Review

The Office of Research is hosting an NIH Mock Study Section Review workshop
on Thursday 4/18 from 8-12. Panelists will review an R01 proposal
(submission and resubmission) and demonstrate/discuss the overall process.
The purpose of this program is to increase the likelihood of grant funding
success by providing comprehensive, study section-like feedback to applicants.
(Light refreshments/snacks will be available.) Registration required (space is
limited).
*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**

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**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](#)

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**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/](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.
**Contact**

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**20th Annual OSUCCC – James Scientific Meeting**

Wednesday, May 8, 2019 7:00 a.m. - 6:15 p.m. at the Ohio Union

**Register** now for the Annual Scientific Meeting (ASM) – a meeting that reflects the breadth of our cancer program and offers the opportunity to feature important work by our scientists, foster new research collaborations, provide an avenue for feedback and further our work toward creating a cancer-free world.

We hope you can join us for a day that will highlight and celebrate the latest in research from Ohio State and other leading cancer institutions. The event will cover basic, clinical, translational and population science topics as well as presentations from OSUCCC – James leadership, a large poster review, The Michael L. Hess Prize for Cancer Research Excellence, poster awards, closing reception and more.

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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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**AAAS IF/THEN Ambassador Program**

**Applications for the AAAS IF/THEN Ambassadors program** are being accepted April 1 – July 21, 2019.

The AAAS IF/THEN Ambassadors program will bring together 100 women from a variety of science, technology, engineering and mathematics (STEM) careers to serve as high-profile role models for middle school girls. STEM professionals use their skills in many fields – including research and development, sports and recreation, finance, fashion, gaming, engineering and manufacturing, entertainment, healthcare, retail, music, and more. The AAAS IF/THEN Ambassadors program highlights women in STEM who are contributing in all these fields, showing girls the different career pathways they can pursue and how STEM impacts their lives every day.

The program provides AAAS IF/THEN Ambassadors with a national platform to tell their stories and inspire the next generation of STEM pioneers. As high-profile role models, AAAS IF/THEN Ambassadors will share stories of their STEM journeys and the many ways in which they use science, technology, engineering, and math to solve problems and create new possibilities for the future.
Opportunities during the Ambassadorship will include:

- An in-person summit will empower AAAS IF/THEN Ambassadors take their outreach to the next level. The summit will include personal press kit development (photo shoots and videography), as well as coaching and support from specialists in science communication, public engagement, media, diversity and inclusion, and STEM education. Inspirational VIP guests will also participate in the summit.
- Online engagement with each other and with a wider network of experts will build on the in-person summit, strengthening AAAS IF/THEN Ambassadors’ skills and supporting development of a community of dynamic women in STEM careers.
- Original media content featuring women STEM professionals that will reach girls where they access content the most: on YouTube through partnerships with popular channels like GoldieBlox; on cable television shows; and on network television through a weekly series highlighting the STEM behind popular culture. In addition, the National Girls Collaborative Project will host a digital asset library that will provide access to photos and videos of AAAS IF/THEN Ambassador for nonprofit and educational use.
- Direct connections with middle school girls in their classrooms, in informal science education settings such as AAAS’s Family Science Days, museum exhibits about women in STEM professions, Girl Scouts of the USA programs, and on virtual platforms that allow AAAS IF/THEN Ambassadors to have conversations with girls from across the United States.

Candidates who are selected as AAAS IF/THEN Ambassadors will have access to skill-building, media, and engagement opportunities during August 2019 - February 2021. AAAS IF/THEN Ambassadors will receive an award of $5,000 and take part in the following activities:

- In-person summit during the week of October 21-25, 2019. Travel and other summit-related costs will be paid by the program.
- Additional online discussions about STEM communication, public engagement, media, diversity and inclusion, and STEM education.
- Events celebrating and sharing the work of AAAS IF/THEN Ambassadors. Travel and other participation-related costs will be paid by the program.
- Media, classroom, and public programs targeting middle school girls. Travel support related to these activities may be available.

For more information about the AAAS IF/THEN Ambassadors program, see this AAAS News story or visit https://www.aaas.org/ifthen. To apply, visit https://ifthen.aaas.org.

Save the Date, IDI Annual Scientific Meeting

The IDI Annual Scientific Meeting will be held on Thursday, September 12th, 2019 at the Fawcett Center, 2400 Olentangy River Rd

This all day event will feature a keynote address, student engagement opportunities and sessions focusing on the latest advances in infectious disease research to mobilize our interdisciplinary strengths. Lunch will be provided.

Please RSVP and contact with any questions.

Fulbright Canada American Scholars Award Applications Open

These Fulbright Awards provide approximately 50 teaching and/or research
grants to U.S. faculty and experienced professionals in a wide variety of academic and professional fields.

- Grant length: Applicants can propose projects for a period of 4, 9, or 12 months.
- The dates of the awards should coincide with the academic year of the host institution.
- Now accepting applications for awards to be taken up in the 2020-2021 Academic Year
- Applications accepted until **September 16, 2019**

Eligibility for these awards, require the candidate to meet the minimum requirements mentioned below:

- Be U.S. citizens (Permanent residence is not sufficient).
- Hold a PhD or equivalent professional/terminal degree as appropriate.
- Be proficient in English.
- Be in compliance with all J. William Fulbright Foreign Scholarship Board (FFSB) guidelines.
- Be in compliance with all governmental regulations regarding visas, immigration, travel and residency.

More information **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](http://example.com).

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**Biomedical Sciences Graduate Program**

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