Highlights of New or Updated Items

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Quick Links
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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
For the week of March 3rd, 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

_Circulation published the work_ of Lisa Dorn, graduate fellow; Xianyao Xu, research scientist; Thomas Hund, PhD, professor of Biomedical Engineering; and Federica Accornero, PhD, assistant professor of Physiology and Cell Biology. What an honor to be published in a journal with an impact factor of nearly 19!

*Ellen Lubbers Dissertation Defense

Thursday March 21st, 2019 | 7:30 AM
Graves Hall 1187

We are pleased to announce that Ellen Lubbers will be defending her dissertation, “Defining New Mechanistic Roles for αII Spectrin in Cardiac Function and Excitability”. Please see her [booklet](#) for details regarding the public defense.

*Mark Zucker Dissertation Defense

Wednesday March 27th, 2019 | 10 AM
Lincoln Tower 245
We are pleased to announce that Mark Zucker will be defending his dissertation, “Inferring Clonal Heterogeneity in Chronic Lymphocytic Leukemia From High-Throughput Data”. Please see his booklet for details regarding the public defense.

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*Conrad Kiyoshi Dissertation Defense

Friday March 29th, 2019 | 9 AM
Graves Hall 1185

We are pleased to announce that Conrad Kiyoshi will be defending his dissertation, “Structure and Function of the Developing and Mature Astrocyte Syncytium in the Brain”. Please see his booklet for details regarding the public defense.

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*Juan Barajas Dissertation Defense

Friday April 5th, 2019 | 1 PM
Graves Hall 1063

We are pleased to announce that Juan Barajas will be defending his dissertation, “Unraveling the miR-122 network in the mouse and human liver: Critical Targets in Liver Homeostasis and Carcinogenesis”. Please see his booklet for details regarding the public defense.

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BSGP Internal Competition for OSU Presidential Fellowship

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 15.

You may email your completed application with the materials below to bsgp@osumc.edu. Once we receive student applications, we will rank the applicants and write the Graduate Studies Committee Chair’s nomination letter.

Required materials:
Current Academic Advising Report
Complete graduate vitae
Abstract of dissertation proposal or terminal degree project
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.

Course Offerings
Fellowships
Post-Doc Opportunities

*Postdoctoral Fellow position in Philadelphia – RNA Biology | Blood Cancers | Immunotherapy

Postdoctoral fellows with terminal degrees (PhD, MD, DVM, etc.) are sought to conduct basic/translational research aimed at elucidating the role of alternative mRNA splicing in resistance to cancer immunotherapy and in generating targetable neo-epitopes in leukemia. This project is funded by the recently awarded 5-year U01 grant from the National Cancer Institute as part of the Pediatric Immunotherapy Discovery and Development Network (PI-DDN) and Beau Biden Cancer Moonshot Initiative. Research will be carried out under the guidance of Dr. Andrei Thomas-Tikhonenko, Director of Experimental Pathology Branch at the Children’s Hospital of Philadelphia (CHOP) and Professor of Pathology & Laboratory Medicine at the University of Pennsylvania (Penn): CHOP shares a contiguous campus with the Penn’s Perelman School of Medicine, with ample interactions with the NCI-designated Abramson Cancer Center, Institute for Immunology, and other academic entities. Strong candidates will have hands-on experience in one of the following fields: RNA biology, cancer genetics, hematologic malignancies, immunotherapy, and bioinformatics. However, recent graduates with published record of accomplishments in related areas will be considered as well, as long as they have the thirst to prove themselves in a highly collaborative and dynamic research environment.

Interested candidates can apply by emailing cancerpathobiology@email.chop.edu or uploading their cover letters and resumes here.

Postdoc position at the Institute of Molecular Medicine: Functional Genomics

Qualification
A PhD in human genetics, genomics, bioinformatics, evolutionary biology, computer science, or another relevant field. Experience in analyzing large-scale datasets and working knowledge on multiple programming languages. Experiences in designing, performing, and analyzing genome scale CRISPR screens are preferred, but not required.

Application
Qualified candidates are encouraged to contact Dr. Sidney Wang directly. In
the email, please attach your CV, and a cover letter briefly describing your research interests and highlights of your research achievement. Please use subject title “postdoc application, your name”. Applicants will be evaluated immediately until the position is filled.

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**University of Michigan/Dr. Else Position Available**

I am currently looking for a post-doctoral fellow with an interest in endocrinology, ideally adrenal diseases. The post-doctoral position would be in translational/basic research within the large adrenal research group at the University of Michigan. We offer an environment enthusiastic towards adrenal research and well-suited for the development of junior scientists! Please contact [Dr. Tobias Else, MD](mailto:Dr.Tobias.Eelse@umich.edu) for more information.

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**Genetics/Cancer Post-Doc Position Available**

Dr. Jason Sheltzer, a PI at Cold Spring Harbor Laboratory, is currently recruiting postdoctoral fellows to study the genetics of cancer development and novel anti-cancer drug strategies.

Questions about the position can be directed to [Dr. Sheltzer](mailto:sheltzer@cshl.edu). Interested candidates can apply via the [CSHL careers website](https://www.cshl.edu/careers), position number 02279-R.

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**Cold Spring Harbor Laboratory Positions Available**

[List of Postdoc opportunities](https://www.cshl.edu/careers) at Cold Spring Harbor Laboratory.

Any questions, email [Jessica Toner](mailto:jessica.toner@cshl.edu)

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**Computational Biologist position at the National Institute on Aging**

Computational Biologist (full time):
The Center for Immune Aging located within the Intramural Research Program of the National Institute on Aging seeks to identify a highly motivated scientist to collaborate in a multi-disciplinary study of human immune aging. The selected individual will be responsible for:

1. Computational analyses and modeling of large biological data sets including Next Generation Sequencing (NGS). High-throughput data is generated and analyzed routinely in the new lab including data from bulk and single cell RNA-seq, ATAC-seq, DNA methylation, proteomic, flow cytometry and CyTOF phenotyping.
2. Mentoring, collaborating and establishing innovative software and computational tools to enable the center to perform complex computational data analyses.
3.Collaborating with experimentalists and computational biologists to develop new computational tools to answer research questions of interest that pertain to inflammation and immune dysfunction that occurs with human aging.

The ideal candidate will have a Ph.D. in computational biology, bioinformatics, systems biology, biophysics, or relevant disciplines and 3+ years of hands-on research experience with bioinformatics and the analysis and modeling of large-scale data sets. She/he should possess a sound knowledge of statistics and
quantitative modeling, and excellent computer programming skills with proficiency in R and one or more programming languages such as Perl, Python, Ruby, MATLAB; experience with database design and construction, and dynamical system theory and modeling are pluses; proficiency in C/C++ and/or Java as well as experience with multiple OS platforms (Windows, MAC, Linux) are desirable, as is research experience or formal training in the biomedical sciences.

The successful applicant will be hired in a senior position using the contractor mechanism. The evaluations of candidates will begin immediately and continue until the position is filled.

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**Cincinnati Children's Positions Available**

**List of Postdoc opportunities** at Cincinnati Children's. Any questions, email [Michael Bennett](mailto:michael.bennett@childrens.org)

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**Other News and Events**

**Article "When support becomes pressure" By Stephanie Santos-Díaz**

[Article in Science, When support becomes pressure](https://www.sciencemag.org/content/365/6453/998)

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**Proctor & Gamble Seminar**

Monday, March 25th 6-7 pm  
CBEC 130  
Matt Lynch, PhD  
Read more about this seminar "[The role of scientific measurements and models in innovating formulated consumer products](https://www.procterandgamble.com/content/dam/learning-center/document/the_role_of_scientific_measurements_and_models_in_innovating_formulated_consumer_products.pdf)"

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**Alumni Grants for Graduate Research and Scholarship**

**Deadline: March 18**

The Graduate School’s Alumni Grants for Graduate Research and Scholarship (AGGRS) program provides small grants up to $5,000 to support the research and scholarship of doctoral or terminal master’s degree candidates for their dissertations or theses. [More...](https://www.uc.edu/graduate/financing/alumni-grants)

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**A Seat at the Table; a dialogue on equity and inclusion in STEM**
March 21, 2019 | 3:00 - 6:00 p.m. | Hale Hall
Panel | 3:00 - 4:30 p.m. | MLK Room
Refreshments and networking | 4:30 - 6:00 p.m. | 110A

Part of The Ohio State University's 2020 Vision is to make the university a model of inclusive excellence. What does this look like in the STEM disciplines across our institution? We aim to have a dialogue about the barriers that inhibit persistence and success in STEM, particularly among under-represented minority, first-generation, low-income, and female students. Invited panelists will share their experiences effectively engaging and promoting the success of diverse student populations through inclusive educational practices, extracurricular activities, and/or policies.

This event will feature a keynote by DR. QUINN CAPERS, IV Associate Dean of Admissions at The Ohio State University’s School of Medicine followed by a panel featuring representatives from various STEM fields at Ohio State whose work has helped to make STEM disciplines more accessible to under-represented minorities.

Panelists include:

DR. ANNE-MARIE NUNEZ
Associate Professor of Higher Education and Student Affairs in the Department of Educational Studies

DR. MARCELA HERNANDEZ
Administrative Director in the Office of Postdoctoral Affairs

DR. JOHN H. JOHNSON
Assistant Professor and Academic Program Specialist in the Department of Mathematics

Organized by Ranthony A.C. Edmonds, Ross Assistant Professor, Department of Mathematics and Eric Herschthal, Postdoctoral Research and Teaching Fellow, Department of African American and African Studies.

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.

Important Days
**Deadline for abstract submission: March 30, 2019**
Notification to authors of abstracts: April 4, 2019
**Deadline for travel award application: May 1, 2019**
Conference early registration deadline: May 8, 2019
Conference regular registration: May 9 – June 8, 2019

Contact

### 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.

**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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