Highlights of New or Updated Items 5/19/19

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- STAT: More than 8,500 Women have joined the 500 Women Scientists Database

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 in the newsletter contact bsgp@osumc.edu
For the week of May 19th, 2019

BSGP News

*Christina Knippler Dissertation Defense

Monday June 10th, 2019 | 2 PM
BRT 134

We are pleased to announce that Christina Knippler will be defending her dissertation, “Understanding the Role of Group I PAKs in Thyroid Cancer”. Please see her booklet for details regarding the public defense.

Summer Applications to Graduate

Summer applications to graduate are due to be submitted through Grad forms by students by May 24.

Course Offerings

*BSGP 7400

Location: DHRLI 159
When: Friday, 3:00-5:00 PM

This course will provide advanced students an opportunity to read and critique classical and current literature in biomedical science related to host-pathogen interactions. Several topic areas will be chosen for discussion using state of the art techniques for the investigation of pathogens (i.e., bacteria, viruses, fungi) in various experimental and natural hosts (i.e. animals, plants, humans) and organ systems. In addition to the course directors, faculty with expertise in each topic will participate in the course. The content experts for this year’s course are: Drs. Ian Davis, Chad Rappleye, Vanessa Hale, Chris Montgomery, Purnima Dubey and Johnathan Jacobs.

Course Directors:
Samantha King, Ph.D.
Sheryl Justice PhD.

See course flyer here

Fellowships
Post-Doc Opportunities

*Postdoctoral Positions at Cincinnati Children's*

**Positions Available** in:
- Bioinformatics/ Computational Biology/
  Biostatistics/ Epidemiology
- Cancer and Blood Diseases
- Cardiovascular Research
- Genetics, Development, Physiology, and Disease
- Immunology/ Inflammation
- Neurology

Submit an [application online](#) and use the relevant job number.
Questions? Please contact: Michael Bennett, PhD, Scientist Recruiter

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**Applications are now open for NCI’s Cancer Prevention Fellowship Program**

This program supports postdoctoral research and leadership training, plus offers:
- Competitive stipends, relocation expenses, health insurance benefits, and travel allowances
- Support for up to four years
- Opportunity to earn your MPH, sponsored by NCI
- Research opportunities with experienced NCI mentors

A cohort of fellows spanning STEM and other fields

[Apply here](#)

For more information, including eligibility requirements and application details, visit their [website](#) or [email them](#)

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**Post-doc Positions at The Research Institute at Nationwide Children’s Hospital**

Multiple post-doctoral/research scientist positions are immediately available at the Ohio State University/Nationwide Children's Hospital (Columbus, OH) to study the hepatitis virus life cycle and pathogenesis. Hepatitis A virus (HAV) and hepatitis E viruses (HEV) are both enterically transmitted hepatotropic RNA viruses and thought to be nonenveloped for decades. However, recent studies have revealed that the virus released from cells and circulating in the patient's blood is completely cloaked in host membranes and resistant to neutralizing antibodies (Feng et al., Nature, 2013). The discovery of this novel enveloped form has raised a series of questions about the fundamental biology of HAV and HEV and how these viruses interact with their host (Feng & Lemon, Trends Microbiol, 2014; Feng et al., Annu Rev Virol, 2014). In addition, we recently discovered a capsid-mimicking decoy protein in HEV that potentially alters the humoral and cellular responses during acute and chronic infections (Yin et al., PNAS, 2018). Projects are directed to understand (1) how enveloped virions are produced at the apical and basolateral sides of polarized hepatocytes and how they enter the cell and become neutralized by antibodies, and (2) what role(s) the decoy protein plays during HEV infections. Opportunities also exist to work on the entry and exit mechanisms for the hepatitis B and D viruses.

**Responsibilities:**
The successful candidate is expected to have excellent technical and
communication skills, perform self-directed research, and assist the PI in preparing manuscripts and grant applications.

**Minimum requirements:**
Candidates must have a PhD or equivalent with strong research experience in molecular biology, virology, or cell biology. Applicants with experience in RNA Seq, proteomics, and/or bioinformatics are particularly encouraged to apply. Competitive salary will be commensurate with experience (NIH recommended salary for postdocs). Interested applicants should submit a single PDF file consisting of a CV, a brief description of their research achievements and interests, and a list of 3 references to Dr. Zongdi Feng

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**Shi Laboratory at the University of Pennsylvania is recruiting postdoctoral fellows**

The Shi Lab at the Cancer Biology department of the University of Pennsylvania is recruiting highly motivated and independent postdoctoral fellows. The lab focuses on epigenetic and transcriptional regulatory pathways that are essential for cancer cell proliferation. We couple CRISPR-based gene editing with next-generation sequencing methods to identify and dissect novel genetic regulatory pathways and further explore them as potential new therapeutic opportunities in cancer. We also develop innovative CRISPR toolkits for robust gene editing in mammalian cells using structure-guided rational design and bacterial directed evolution approaches. We are looking for postdoctoral fellows who will develop/engineer the newly-identified Cas12 and Cas13 protein variants for manipulating genetic regulatory pathways in mammalian cells.

Applicants should have a strong background in molecular biology or biochemistry. Candidates with some level of bioinformatics experience analyzing genome-wide data sets will be considered favorably.

Lab website
Please send CV, a statement of research goals, and contact information of three references to: jushi@upenn.edu

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**Other News and Events**

*STAT: More than 8,500 Women have Joined the 500 Women Scientists Database*

More than 8,500 researchers from 133 countries have joined the grassroots organization 500 Women Scientists’ database, according to STAT. This database, which has been accessed over 100,000 times, holds their contact information so that they can be contacted as experts. STAT interviewed two leaders who discussed the importance of the representation of women in the media.

**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

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
Conference regular registration: May 9 – June 8, 2019

Contact

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.

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.

Please contact Julia O’Connor, or the WCPI staff at 202-554-2323 with any questions.

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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