Highlights of New or Updated Items 5/12/19

Post-doc Opportunities
- Applications are now open for NCI’s Cancer Prevention Fellowship Program
- Post-doc Positions at The Research Institute at Nationwide Children’s Hospital
- Shi Laboratory at the University of Pennsylvania recruiting postdoctoral fellows

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 May 12th, 2019
*New or Updated Items Marked With Asterisk

BSGP News

Summer Applications to Graduate

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

Course Offerings

Fellowships

Post-Doc Opportunities

*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

*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**

**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/](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

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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](http://icibm2019.org/). Learn more [here](http://icibm2019.org/).

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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](http://icibm2019.org/). 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](http://www.medicine.osu.edu/bsgp).