For the Week of March 25th, 2018

College of Medicine
Biomedical Sciences Graduate Program E-Newsletter
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*New or Updated Items Marked With Asterisk

Graduate School News
Sean Reiff's Dissertation Defense
March 26th, 2018
DHLRI 165 | 1:00pm

“Utilizing Reversible Bruton's Tyrosine Kinase Inhibitors to Circumvent Acquired Resistance to Ibrutinib”

Michael Sharpnack's Dissertation Defense
March 26th, 2018
James B040 | 2:00pm

"Integrative Genomics Methods for Personalized Treatment of Non-Small-Cell Lung Cancer"

Vidhya Kumar's Dissertation Defense
March 29th, 2018
DHLRI 165 | 12pm

"Towards Multioorgan Characterization of Cardiometabolic Health and Disease"

Kavin Fatehchand's Dissertation Defense
March 30th, 2018
DHLRI 165 | 8:00am

"Enhancing monocyte effector functions in antibody therapy against cancer"

*Nicholas Denton's Dissertation Defense
April 2nd, 2018
234 Meiling Hall | 2:00pm

"Modulation of tumor associated macrophages enhances oncolytic herpes virotherapy in preclinical models of Ewing sarcoma"

*Leslee Sprague's Dissertation Defense
*Infectious Diseases Institute Seminar*

R. Kip Guy, PhD  
April 10, 2018  
111 Parks Hall

“SJ733, a novel antimalarial, from discovery to mechanism”

Dr. Guy is the dean of the College of Pharmacy at the University of Kentucky and a professor in the Department of Pharmaceutical Sciences. He received his BA in chemistry from Reed College in Portland, Oregon. He received his PhD in organic chemistry based on the total synthesis of taxol from the Scripps Research Institute (TSRI) in La Jolla, California.

Dr. Guy’s research is focused on the discovery and development of novel small molecules that target the pathophysiology of orphan pediatric diseases, particularly pediatric oncology and protozoal infectious diseases. Most of his group’s work falls into the areas of chemical validation of novel targets, lead discovery and optimization of novel chemical matter for validated disease targets, and use of non-targeted whole-cell strategies for lead discovery and optimization. He is the author of 173 papers and book chapters, and the inventor on 18 issued patents.

**Neuroscience Seminar Series**

Ann McKee, MD | Boston University  
March 26th, 2018 | 12-1pm  
115 Biomedical Research Tower

"CTE: State of the Research 2018"

"Inferring the interaction between influenza and bacterial pneumonia"

Pej Rohani, Ph.D. Professor, Odum School of Ecology  
Department of Infectious Diseases, College of Veterinary Medicine, University of Georgia

Tuesday, March 27, 2018 | 1:30-2:30 p.m. (Lunch reception at 12:30)  
Mathematical Biosciences Institute, Jennings Hall Auditorium 355

Also streaming live and available afterward on demand at go.osu.edu/IDIseminars

**Biomedical Informatics Summer Internship Program**

The Department of Biomedical Informatics is accepting applications for its annual internship program this summer. This program provides undergraduate and graduate students opportunities to pursue research projects in the field of biomedical informatics under the guidance of research and operational staff and renowned faculty mentors in the Department of Biomedical Informatics.

→ Read more
→ Contact
Tools of the Trade: Communicating Biomedical Research

March 29th, 2018
11am-4pm
115 BRT

At this workshop, TEDx Columbus curator Ruth Milligan will train you to distill your work into a 60-second “elevator speech.” Other speakers will address how and when to communicate with potential industry partners and present pointers on talking to journalists about your science.

Sponsored by Ohio State's Center for Clinical and Translational Science (CCTS)

To register, click [here](#).
For more information, contact Stuart Hobbs

Attention Students: Updated Current Lab Rotation Sheet

Please see the updated & attached spreadsheet for a list of the 34 faculty members looking for first year graduate students to rotate in their labs.

Course Offerings

Cold Spring Harbor- Mouse Development Stem Cells and Cancer

Please see the attached flyer for more information on a course being offered through Cold Spring Harbor Laboratory.

Any questions can be directed to Co-Instructor Tamara Caspary

Important Deadlines and Dates

Graduation Deadlines Calendar

The Graduate School recently created a calendar regarding current and future deadlines for graduation. That calendar can be found [here](#). You may also find graduation deadlines outlined in this user-friendly document.

The Graduate School also cleaned up the Final Semester Procedures page which can be found [here](#).

We hope you find this information useful!

Fellowships

Cure CF Columbus- Call for Applications

Purpose of this Request for Applications (RFA): The Cure CF Columbus (C3) program will be submitting a full Research Development Program (RDP) application in December/January 2018/2019. The grant will include up to 3 pilot and feasibility projects, two trainee fellowships, and 3 cores (Live Cell, Cell Physiology and Biochemistry, and CF Biorepository). The purpose of this RFA is to develop trainee projects that may be part of the C3 RDP application.

Background: C3 research is a multidisciplinary project focused on Host-Pathogen Interactions in Cystic Fibrosis (CF). The C3 research community includes physicians and scientists who are located at two sites in Columbus, Ohio: Nationwide Children’s Hospital (NCH) and The Ohio State University (OSU).

Mission: The C3 research mission is to support and promote groundbreaking research and clinical CF-related activities at NCH and OSU, and to apply this knowledge for the development of new therapeutic
strategies to ultimately cure CF.

**Leadership:** C3 Research is led by Karen McCoy, MD and Daniel Wozniak, Ph.D.

For more information, please read through the attached **flyer**. In addition, we have attached the **application**. It's instructions can be found on the flyer.

### Post-Doc Opportunities

#### Post-Doctoral Researcher Position

The laboratory of Dr. Amanda Toland is looking for a motivated and enthusiastic postdoctoral researcher to study the impact of germline genetic variants on mutation frequency of breast and colon cancer with a focus in racial disparities. The postdoc will be responsible for using CRISPR/Cas9 technologies to model gene by mutation interactions in cancer as well as performing genotyping, mutational analyses and in silico functional predictions of variants of interest. The postdoc is expected to participate in manuscript and grant writing as well as training junior researchers in the laboratory. A PhD or MD/PhD in genetics, molecular epidemiology, molecular biology or related field is required. Background in genetics with a knowledge of cell culture and basic bioinformatics is preferred. A training program for the postdoc will include specialized training in research related to racial and other disparities in cancer and as well as career development.

Please send curriculum vitae to:

**Amanda Ewart Toland**, PhD, FACMG
Associate Professor
Ph: 614-247-8185

#### Post-Doctoral Position- Vascular Biochemistry

**Title:** Postdoctoral Researcher  
**Contact Email:** Lianwang.guo@osumc.edu

For more information, including the job description, please see the attached **flyer**

#### NCI Graduate Student Recruiting Program

The attached **handout** has information regarding post-doctoral fellowships within the NCI. In addition, a recruiting event is being held May 2-3.

### Other News and Events

#### Graduate Business Minor for Health Sciences

The Ohio State University’s health sciences colleges train highly motivated and intellectually outstanding students to be experts in their field. Given the changing nature of the health sciences industries, there has never been a time when employers have placed such a premium on business acumen and principled leadership. The graduate business minor addresses this growing demand by providing graduate-level business training through the Fisher College of Business to Ohio State students pursuing advanced degrees in health science fields.

**Program highlights:**

- Gain a rich and powerful toolset for addressing today’s managerial and business challenges.

No matter where your career leads, you'll make critical decisions with significant consequences. This program gives you the foundation to anticipate, tackle, and resolve the broad set of challenges you will face.
Experience a dynamic in-class, case-based learning environment.

Learn from face-to-face interaction with leading researchers and practitioners.

Complete the program in one accelerated summer.

It takes just three months to develop and hone your leadership skills in this rigorous program which does not require additional time before graduation and does not overlap with your primary program.

Share the classroom experience with a diverse set of students.

Collaborate, learn with, and learn from other students in health science programs from all around The Ohio State University campus.

Connect the classroom experience to real-world business challenges.

In the capstone project management class, you'll deeply interact with an organization in your industry and apply your new skills to a real-world problem.

Distinguish yourself!

You're about to enter a competitive labor market. This one-of-a-kind program will help you differentiate yourself from other students in your profession.

Program Details:

* 12 total credit hours.
* M-Th Evenings in summer term.
* Does not extend your time to graduate.
* Does not impact your program GPA.
* Earn a Graduate Business Minor in addition to your primary degree.

https://fisher.osu.edu/graduate/graduate-minor-business-health-sciences

To find out more about the program, contact Prof. Benjamin Campbell

Need Help? CCS is here for you!
You can find more information about the services provided at Counseling and Consultation Services on their website.