To submit a news item to be considered for inclusion in the newsletter contact bsgp@osumc.edu.
*New or Updated Items Marked With Asterisk

Graduate School News

*BSGP Faculty Acknowledgement

Congratulations to Dr. Mark Parthun, who received the Distinguished Educator Award from the College of Medicine for 2018

*Upcoming Immunology Center Seminar - Tonight

"The Smorgasbord of Immune Regulatory Mechanisms: Soup to Nuts."

Tuesday, August 21, 2018
5:00 PM - 7:00 PM
DHLRI 170

"Immunoregulation of Antibody Responses"
Ginny Bumgardner, MD, PhD/Jason Zimmerer, PhD

"The defective innate immune response of cystic fibrosis macrophages"
Amal Amer, MD, PhD

"Identifying Immune Pathways of Non-Response in Patients with Autoimmune Glomerulonephritis"
Brad H. Rovin, MD

"Microbiota and gut epithelium: role in allergy and protection against infectious pathogens"
Prosper N. Boyaka, PhD

"Sex differences in brain-resident immune cells"
Kathryn Lenz, PhD

"Tumor expressed CTLA4: What do they do there and what can we do about it?"
Natarajan (raj) Muthusamy DVM., PhD

"miRNA dysregulation of TGFbeta signaling promotes CNS autoimmunity"
Amy Lovett-Racke, PhD

"Psychosocial stress, the gut microbiota, and effects on immune system activity"
Michael T. Bailey, PhD

Pizza will be provided

*Tools of the Trade: Launching Your Biomedical Research Career
The Center for Clinical and Translational Science presents "Tools of the Trade: Launching Your Biomedical Research Career." Plenary Sessions will address:

- Strategies for Successful Mentee-Driven Mentorship, by Mark Hall, MD, Nationwide Children's Hospital
- Research services available from the CCTS.

Sessions in the Research track include grant writing, the IRB process, and conducting rigorous, reproducible research.

Sessions in the Management & Leadership track include staffing your research team, project management, and budgeting.

*Meeting with Distinguished Speaker Julie Pfeiffer (IDI)*

Dear Infectious Diseases Community,

Dr. Julie Pfeiffer, Professor from University of Texas Southwestern Medical Center, will be visiting the OSU campus October 1st-3rd as the distinguished speaker for our Annual Meeting on October 2nd (9am-3pm). Her work focuses on enteric virus pathogens, virus evolution, and the effects of intestinal bacteria on virus replication and transmission.

Please let us know if you would like to meet during the following dates/times:

1. October 3rd for breakfast (8am-9am)
2. October 3rd in the morning (9:30am-12:30pm)

We will let you know if there are other times she becomes available to meet with IDI members.

We will do our best to accommodate your request.

Thanks!
IDI@osu.edu

*Group on Health Equity Meeting*

"From Cultural Competency to Structural Competency: At the Intersection of Marginal Communities, the US Medical Establishment, and Justice"

Monday September 17, 2018 | 6-8pm
Ross Heart Hospital Auditorium
Dinner is provided

Please Register by Thursday, 13 September at http://go.osu.edu/GoHE-092018

Announcement Regarding Dr. Groden

To the BSGP community,

Dr. Joanna Groden has accepted a new position as the Vice Chancellor for Research at the University of Illinois at Chicago and will step down from her leadership role in the BSGP in mid-September. While we congratulate Dr. Groden on her new opportunity at UIC, we will certainly miss her wisdom at OSU College of Medicine where she has been a Professor, Vice Chair of Academic Affairs in the Department of Cancer Biology & Genetics, Vice Dean for Research, plus many other
roles. Among her many accomplishments, Joanna has focused tremendous energy on education and training, and was Principal Investigator on a HHMI Med-Into-Grad trainee program, is the Education Co-Principal Investigator of the Clinical and Translational Science Award to the CCTS and the TL1 Co-Principal Investigator, and the Co-Principal Investigator on an NIH T32 that was just renewed for an additional three years. She is also the Faculty Director of the Pelotonia Fellowship Program. Joanna has also made many research contributions with focus on the genetics and biochemistry of colon cancer.

We will have a celebration tentatively scheduled for **4-6 PM on Thursday September 13**. We will send more information as the plans are established.

Jeff Parvin and Amy Lahmers

---

**47th Annual Graduate & Professional Student Orientation & Networking Reception**

**August 23, 2018 | 7:00 - 9:15 p.m**
The Ohio State University Ohio Union | Performance Hall | 1739 N. High St.

Vice Provost and Chief Diversity Officer Dr. James L. Moore III is pleased to call to order the 47th Annual Graduate & Professional Student Orientation & Networking Reception. This event is hosted by the Office of Diversity and Inclusion as well as graduate and professional student organizations.

Registration begins at 6:30 p.m. and the program at 7:00 p.m. Immediately following, we will gather for an informal meet and greet (with repast).

Click [here](#) to RSVP

For more information, please contact Colby Taylor at taylor.972@osu.edu

---

**IDI Annual Meeting**

**You're Invited!**
The IDI Annual Meeting is fast approaching and we want you to be a part of it. We have a full day of programming on October 2nd from 9am-3pm. Lunch will be provided. RSVP [here](#) and keep an eye out for the full agenda coming soon.

**Print copies of Science needed**

Seeking print copies of the July 6 2018 issue of Science ("Hidden Conflicts" is on the cover). If you have a copy, please contact Lawrence Kirschner - thank you

---

**BSGP Stipend Increase Effective August 17**

Attention all BSGP students - The College of Medicine's standard minimum stipend amount for BSGP students will be $29,300 ($2441.66/month) effective August 17, 2018. This represents a 2% increase over the current stipend amount. Please contact Amy Lahmers with any questions.

---

**New Graduate Student Reception**

**Tuesday August 28th, 2018**

James L045

5-6:30pm

All new graduate students are invited to meet the faculty and trainees in the Department of Physiology and Cell Biology and explore the research opportunities available to new graduate students.

Refreshments will be served | Door prizes for grad students attending
Please RSVP to Jenifer.Bennett@osumc.edu

For more information please contact: Noah Weisleder, Ph.D

The Second Annual Humanism in Medicine Lecture Series

August 30, 2018
4:00pm: Reception, 4:30pm: Last Lecture
Richard M. Ross Heart Hospital Auditorium
452 West 10th Avenue Columbus, OH 43210

We welcome Dr. Charles Hitchcock, the beloved medical educator and mentor as our speaker for the second Last Lecture speaker. Please join us as he shares his wonderful stories, his pathology-based sense of humor and his love of teaching.

RSVP here

Data Science for Scientists Club Now Recruiting Members

Open to any individual (students, postdocs or faculty) interested in developing skills necessary to analyze any type of data

Develop programming skills in Python, R and associated libraries

Share tips and tricks for data analysis and visualization.

Email freitas.5@osu.edu for more information

Meets every Tuesday 11:30am-1pm in BRT 105
Free access to DataCamp online learning and OSC HPC for RStudio & Jupyter notebooks

List of Faculty Taking Students for Summer Rotations

Here is the updated list of faculty taking students for SU18 rotations.

Course Offerings

Translational NeuroImmunology Seminar/HTHRHC 7595

1 credit hour (can repeat up to 4 credit hours)
Thursdays 11 am-12 pm | IBMR 109
Instructor: Mireia Guerau (gueraulaboratory.com)

Course description: This seminar course is designed for graduate level students involved in basic or translational research in Immunology and/or Neuroscience. Students develop skills in teaching, analyzing, discussing, synthesizing and presenting immunology and neuroscience research. Students develop a classic and a contemporary (3-minute thesis) research presentation and critically appraise peer research, including a few national level speaker presentations. Successful students are able to: 1. Understand complex Immunology or Neuroscience concepts for interpretation of Translational NeuroImmunology research. 2. Demonstrate understanding of Immunological or Neuroscience concepts. 3. Apply research concepts or ideas to their field/research question. 4. Analyze and break down the objectives and essential elements for successful delivery of various research presentation formats, such as keynote and 3-minute thesis. 5. Create and peer-evaluate research presentations of various formats.

Specific Topics Autumn 2018: Plans for this semester are focused on the impact of immune (such as T cells or myeloid cells) and neurological (such as microglia or astrocytes) and environmental (such as microbiota or stress) systems on disease. Disease models may include animal models of Multiple Sclerosis, cancer and behavior.
Grading: Satisfactory/Unsatisfactory based on attendance, developing a full and a 3-minute thesis research presentation and peer-review of presentations.

Advanced Skeletal Biology: Clinical Perspectives

HthRhSc 8891: Autumn 2018
Mondays 1-4pm
3 credit hours

The course will examine research-based multidisciplinary concepts with an emphasis on application to students' clinical areas of interest. Graduate students from all disciplines are welcome, including (but not limited to): Health & Rehabilitation Sciences, Biomedical Engineering, and Anthropology

For more information contact course instructors:
Randee Hunter, PhD  Amanda Agnew, PhD

NEURSGY 8250 Course Offering

Biology of the Tumor Microenvironment (NEURSGY 8250) graduate course will be offered fall semester and is open to BSGP students. Topics include stem cells, angiogenesis, EMT, metastasis, and tumor immunity. Please see the attached course flyer for more information.

Fellowships

T32 Congenital & Acquired Heart Disease Fellowship Program

A postdoctoral fellow position is available for the T32 Fellowship Program entitled, "Training in Congenital and Acquired Heart Disease." The program is jointly hosted by the Research Institute at Nationwide Children's Hospital and the Dorothy M. Davis Heart and Lung Research Institute at The Ohio State University (PIs: Dr. Vidu Garg and Dr. Peter Mohler).

See the attached flyer for more information

Postdoc Fellow Position | NIH/NIA-Intramural Research Program

Please see the attached flyer for more information about this opportunity.

American Society of Human Genetics Fellowship Opportunities

Genetics Education & Engagement Fellowship
This fellowship program is designed for genetics professionals (or life scientists with substantial experience in genetics or genomics) who: have an advanced degree, are early in their careers, and are interested in developing and implementing genetic and genomic literacy, engagement, diversity, and/or professional development initiatives for audiences comprising K-12, undergraduate, graduate, post-graduate, and professional. The fellow will participate in rotations at the NHGRI and ASHG, and typically a third organization involved in genetic and genomic literacy, engagement, diversity, or professional development.

Genetics & Public Policy Fellowship
This is a fellowship program designed for genetics professionals with an advanced degree who are early in their careers and interested in the development and implementation of genetics-related health and research policies at a national level. The fellow will have the opportunity to participate in policy analysis at NHGRI and ASHG, and to work directly within the U.S. Congress.

Post-Doc Opportunities
Post-Doctoral position - Cancer Metabolism, OSUCCC

**Position Description:**
We are seeking an enthusiastic and motivated postdoctoral fellow to join the group of Dr Ioanna Papandreou, in the department of Radiation Oncology at the OSUCCC. We use genetically engineered mouse models of solid tumors and in vitro approaches to understand hypoxic tumor physiology, particularly lipid storage mechanisms, and to delineate the mechanisms by which these metabolic adaptations impact malignant progression. The ideal candidate will have a strong background in biochemistry or cell biology and a publication record in peer-reviewed journals. Experience in confocal microscopy, animal handling or metabolic assays is desirable.

**Contact:**
Interested applicants should submit their current curriculum vitae and the names and contact information of two references to Ioanna.Papandreou@osumc.edu. Please indicate postdoc application in the title of the email.

Postdoctoral Opportunity at Yale University

Please see the attachment for more information regarding this position.

Dr Inan Olmez Lab Opportunities

Dr. Olmez is a new faculty member in the division of Neuro-Oncology at OSU. He is looking for 2 post-doc researchers to work on neural stem cell and brain tumor related projects. Anyone with background in cancer biology or neuroscience is welcomed. Prior experience in cellular reprogramming, proteomics, or immune staining will be favorable.

If you have any interest, please contact Dr. Olmez for more information.

Postdoctoral Fellow in HIV Virology and Immunology at Colorado State University

There is a wonderful opportunity to be a part of a lab that contributes to fighting the worlds AIDS epidemic and finding the ultimate cure at Colorado State University in beautiful Fort Collins, Colorado. The post-doc will use cutting edge immunology and virology techniques and approaches utilizing new generation humanized mouse models as part of research on HIV/AIDS pathogenesis, prevention and therapies. This represents a unique opportunity in molecular/translational virology research using humanized mouse models, lentiviral vectors, RNAi, and stem cells. This position will provide valuable experience for a future in either academia or industry.

Interested applicants must have experience with flow cytometry, qRT-PCR, and other molecular virology and immunology techniques. Additional experience with small animal handling is desired but not essential.

**Research Description:**

Please contact: Dr. Ramesh Akkina

Current Postdoctoral Openings at Cincinnati Children's Hospital
Please see the attached flyer for more information regarding Cincinnati Children's Hospital Medical Center and their current position openings.

**Postdoctoral Opportunity in the Neurosciences (Virginia Tech)**

The Department of Biomedical Sciences and Pathobiology, Center for Regenerative Medicine at Virginia Tech is looking for a highly motivated Postdoctoral Associate in Molecular and Cellular Neurobiology. The successful candidate will work on an interdisciplinary research project focused on murine models of traumatic brain injury and epilepsy. Qualified candidates will be expected to work in a team environment investigating vascular-glial interactions during TBI-induced epileptogenesis. Our multidisciplinary approach requires an in-depth understanding of the biochemical, molecular and cellular neurobiology of CNS injury and/or epilepsy. Candidates will work in coordination with the VT-School of Neuroscience, Center for Glial Biology and Biomedical Engineering & Mechanics. Primary duties include TBI surgery, EEG analysis, multi-photon imaging and histopathology. Additional skills requested but not required include qPCR, Western blot analysis, brain tissue processing, single cell isolation, and tissue culture. Data analysis and manuscript preparation will be conducted. The candidate will be expected to attend lab meetings, maintain laboratory spaces in a clean and good working order and maintain a high level of organization in data collection and storage. Apply on-line: [https://listings.jobs.vt.edu/postings/85970](https://listings.jobs.vt.edu/postings/85970)

For more information contact: Dr. Michelle Theus Associate Professor mtheus@vt.edu 540-231-0909
Instagram/Twitter: @LabTheus
http://www.vetmed.vt.edu/research/labs/theus/

**Assistant Professor Position Opening**

The Department of Biology at Bryn Mawr College invites applications for a full-time, tenure-track Assistant Professor position in the area of Immunology to begin August 1, 2019. We are searching for a broadly trained individual whose immunological expertise will support programs in Biology, Biochemistry & Molecular Biology and Health Studies. The successful candidate will thrive in an environment that combines teaching, research and interdisciplinary collaboration, establishing an externally funded research program that includes involvement of undergraduate students of diverse backgrounds. Teaching responsibilities will include courses in immunology and in the candidate's area of expertise, participation in the team-taught introductory biology sequence, and regular contributions to the Health Studies minor. Candidates who have the potential to contribute to the Neuroscience or Environmental Studies minor and/or other College initiatives are especially encouraged to apply. A Ph.D. and at least one year of post-doctoral research experience are required by the start date.

To apply for this position, candidates must submit a cover letter, curriculum vitae, research statement and teaching philosophy that includes a short description of potential courses to be offered by October 5, 2018 to Biology Search Committee via Interfolio at: [https://apply.interfolio.com/52079](https://apply.interfolio.com/52079). In addition, arrange for three letters of recommendation to be submitted via Interfolio to the Biology Search Committee. Applications received by October 5, 2018 will receive full consideration.

**Bioinformatics/Scientific Curator Position Openings**

Please see the attached flyer with more information regarding these ThermoFischer Scientific job openings.

**Postdoctoral Fellow Position in Redox Signaling at Johns Hopkins**

The Kohr Laboratory of Cardiovascular Redox Signaling has an
immediate opening for a postdoctoral fellow position. This is an excellent opportunity to join an exciting, NIH-funded research team focused on demystifying sex-specific, redox-dependent differences in the heart's response to ischemic injury with the ultimate goal of identifying novel, cardioprotective signaling pathways. The role of protein S-nitrosation in the female heart, which is naturally protected from ischemic injury, is a major focus of current studies. We have developed a number of cutting edge mass spec-based proteomic methodologies to map sites of S-nitrosation and other redox-based modifications, and we use these in tandem with cellular, molecular, and biochemical methods to assess the effects of S-nitrosation on the function, stability, and localization of specific protein targets. We also utilize a number of physiological approaches to evaluate myocardial function, including the Langendorff-perfused heart preparation, in vivo pressure-volume loop analysis, and echocardiography. Our lab primarily utilizes cell and mouse-based models for experimentation. By defining female-specific and other protective signaling pathways in the heart, we are working to identify key therapeutic targets for the treatments of ischemic heart disease in both men and women.

We are seeking a creative scientist to pursue independent and collaborative research within the Bloomberg School of Public Health and the School of Medicine at Johns Hopkins University. State of the art facilities and excellent core laboratories are available for research projects. The applicant should possess a PhD, MD, or equivalent. Preferred qualifications include experience in heart physiology, proteomics and/or redox biology. Interested applicants should send a cover letter and a CV including publications in PDF format to mkohr1@jhu.edu.

NIGMS Postdoctoral Research Associate (PRAT) Training Program

The NIGMS PRAT Program is a competitive three-year postdoctoral fellowship program that provides high quality research training in the basic biomedical sciences in NIH intramural research laboratories, and prepares trainees for leadership positions in biomedical careers. The program places special emphasis on training fellows in all scientific areas supported by NIGMS, including but not limited to, biological chemistry, biophysics, bioinformatics, cellular and molecular biology, computational biosciences, developmental biology, genetics, immunology, neuroscience, pharmacology, physiology, and technology development. Appointments are made at competitive stipend levels, commensurate with experience and recognition of selection for this program, and fellows receive a travel and training allowance.

Webinar information: The webinar will be on Wednesday, June 20 at 1:30 PM Eastern. To access the webinar, visit the WebEx meeting page and enter the meeting number (access code) 625 876 209 and the password MJRSPSrH. You can also attend by phone by calling 650-479-3208. Slides will be posted on the PRAT website following the event. More information can be found here.

Individual Fellowship Opportunity in Europe

Individual Fellowship (IF) under the prestigious Marie Curie grant program. This is a prestigious, EU-funded fellowship aimed to non-French, experienced researchers (Postdocs) willing to perform research in an European innovative biotech. This funding will result in a two year post doctoral appointment (~53k€/year gross salary depending on the candidate's family situation) in our headquarters in Paris, where the selected candidate will conduct cutting-edge research and receive training in business and entrepreneurship. We propose to applicants one of our many research topics related to microfluidics, cell biology, molecular biology, biophysics, medical, and cancer research. Nevertheless, we are also open to any new research topic linked to biotechnology that the applicant is willing to pursue.
Postdoctoral Fellow Position in the Cleveland Clinic

Contact: Jessica Williams, PhD

Description: A Postdoctoral Fellow position is available in the Cleveland Clinic Lerner Research Institute in the Department of Neurosciences to investigate adaptive immune responses in central nervous system (CNS) glia in the context of autoimmunity and repair. The successful candidate will help lead a multidisciplinary team to elucidate novel mechanisms that impact injury and recovery during CNS autoimmunity, focusing on Multiple Sclerosis. Research projects include: 1) elucidating cytokine-mediated intercellular communication networks in glia during CNS development and repair and 2) investigating the role of glia-specific cytokine signaling during neuroinflammation. A strong work ethic, proficiency in verbal and written English, and a PhD and/or MD are required. Experience with murine models of human disease and expertise in neuroscience and/or immunology are strongly preferred.

Please send your curriculum vitae, a brief description of your research interests, and contact information for 3 references to Jessica Williams, PhD (williaj39@ccf.org).

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.

Other News and Events

*TEC Lab Application

TEC Lab is a FREE professional development workshop series aimed at STEMM grad students and post-docs. Please see the attached flyer for more information including the application.

*Graduate Student Workshop Series

Please see the attachment for more information on events being offered by University Libraries.

Professional School Orchestra

The Professional School Orchestra is in the process of recruiting members for the 2018-2019 year. Anyone enrolled in a graduate or professional program at OSU who plays an instrument (regardless of experience level) is welcome to join. Our first rehearsal will be in early to mid-September. If you have any questions, please email Matt Lordo.

If you are interested in joining, please sign up using this link so they can add you to the list-serv.

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

To find out more about the program, contact Prof. [Benjamin Campbell](mailto:Benjamin.Campbell@osu.edu)

**Need Help? CCS is here for you!**
COUNSELING AND CONSULTATION SERVICE

You Matter

THE OHIO STATE UNIVERSITY
OFFICE OF STUDENT LIFE
COUNSELING AND CONSULTATION SERVICE
COUNSELING AND CONSULTATION SERVICE

WHO WE ARE
We promote personal well-being and the academic success of students by providing comprehensive mental health services.

Comprehensive Services Include:
- Individual Counseling
- Group Counseling
- Psychiatry
- Couple's Counseling
- Outreach and Workshops
- Crisis Support and Debriefing
- Consultation for Faculty, Staff and Loved Ones
- Community Referral

We're Here To Help With:
- Stress Management
- Life Transitions
- Academic Concerns
- Identity Exploration
- Relationship Problems
- Substance Use
- Eating Concerns
- Anxiety
- Depression
- And Much More

CONTACT US

PHONE: 614-292-5766
LOCATIONS:
Younken Success Center, 4th Floor 1840 Neil Ave.
Lincoln Tower, Suite 1030 1800 Cannon Dr.

Find Us Online: CCS.OSU.EDU

HOURS:
Monday – Thursday: 8 a.m. – 8 p.m.
Friday: 8 a.m. – 5 p.m.

Download the new OSUCCS App

You can find more information about the services provided at Counseling and Consultation Services on their website.