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 October 7th, 2018

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
**ID SCOPE, New interdisciplinary student community**

The ID SCOPE will hold its **initial weekly meeting on Tuesday, October 16, 6pm-7pm, 240 Page Hall** (the John Glenn College of Public Affairs).

The ID SCOPE is open to students from ALL disciplines, regardless of rank or major. It is an interactive, interdisciplinary student community focused on enhancing the understanding of infectious diseases through the lens of ALL disciplines. Infectious diseases represent a grand challenge to our global society, and only through a holistic, interdisciplinary approach can the topic be adequately addressed and understood.

The ID SCOPE will include:
- Weekly interdisciplinary student discussions led by Dr. Michael Oglesbee, DVM, director, OSU Infectious Diseases Institute
- Opportunities to network with student peers from other disciplines and academic ranks
- Periodic guest presenters/subject matter experts to lead students in discussion on various infectious disease topics
- An opportunity to enhance students’ understanding of infectious diseases through an interdisciplinary approach, including disciplines underrepresented in the traditional infectious diseases science space
- Additional student development opportunities such as resume building, network building with industry professionals, research development, and presentation skills development
- A dedicated infectious diseases on-line community/"channel" via SLACK (software used to support and advance student communities)
- Outreach and engagement opportunities
- One-on-one professional development and career exploration opportunities
- Individual and group research opportunities

**Attached** is the ID SCOPE flyer.

**New online sexual misconduct prevention education for students**

Our first priority is promoting a safe and healthy campus for all members of our community. To advance a culture of respect and care for others, the university is launching mandatory online sexual misconduct prevention education for all faculty, staff and students. Students will receive an email with instructions to complete the course. Visit [Ohio State’s Title IX website](http://www.titleix.osu.edu) for more information.

**2018 Pathology Graduate Student of the Year Award!**

Congratulations Juan Barajas on receiving the 2018 Pathology Graduate Student of the Year Award!

This very competitive award is bestowed upon an exceptional PhD student conducting her/his dissertation research under the mentoring of a
The Women in Bioscience & Healthcare Conference

BioOhio is hosting a full-day conference **October 18th**, in partnership with the Columbus chapter of the Healthcare Businesswomen’s Association (HBA). The event includes a continental breakfast, lunch, and a networking reception.

This event is open to men and women alike, featuring speakers covering topics that include career paths, mentoring, networking, communication strategies, personal brand development, and success stories.

BioOhio’s goal in holding these events is to highlight numerous bioscience career options, for scientific and non-scientific jobs, along with practical concepts to advance women in the bioscience industry.

Ohio State is a BioOhio member which provides discounted registration. For more information please click [here](#).

*Neuroscience Seminar Series*

**Neuroscience Seminar Series**
Sponsored by the Neuroscience Research Institute

“Dissecting Spinal Cord Regeneration”

Michael Sofroniew, MD, PhD  
Distinguished Professor, Department of Neurobiology  
University of California, Los Angeles

**Monday October 22, 2018**  
12:00 – 1:00  
115 Biomedical Research Tower

Rachael Hardison Dissertation Defense
**Wednesday October 24th, 2018 | 9 AM**
**James Conference Center L035**

We are pleased to announce that Rachael Hardison will be defending her dissertation, "Haemophilus pathogenesis during otitis media: Influence of nutritional immunity on bacterial persistence and intracellular lifestyles". Please see her [booklet](#) for details regarding the public defense.

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**Randi Mackler Dissertation Defense**

**Monday November 5th, 2018 | 10 AM**
**James B050**

We are pleased to announce that Randi Makler will be defending her dissertation, "Understanding Prototype Foamy Virus Integrase Site Selection, Activity, and Stability". Please see her [booklet](#) for details regarding the public defense.

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**Annual Flu Shot Compliance**

All faculty and staff must comply with the seasonal flu vaccine policy each year **by Saturday, Dec. 1**. Compliance with the seasonal flu policy is nondiscretionary and applies to faculty, staff and paid students of The Ohio State Wexner Medical Center, including The Ohio State University Comprehensive Cancer Center - Arthur G. James Cancer Hospital and Richard J. Solove Research Institute and the College of Medicine and Health Sciences.

**Flu vaccinations** will be available starting Thursday, Sept. 20 through Thursday, Nov. 27. Read more information about dates/locations/times.

As a faculty or staff member, you have the following flu vaccine options:

- Get vaccinated at an [Ohio State Wexner Medical Center flu shot blitz](#), by your unit’s ambassador or at University Health Services (201 McCampbell) during regular business hours. This is the easiest and quickest way to become compliant because no documentation is required.
- Get vaccinated with your provider or at another location. Even if you have an Ohio State provider, you must take the [Influenza Vaccination Documentation/Exemption Form](#) for your provider to complete and return it by Thursday, Nov. 15. In addition to the form, you must also provide your receipt as proof of vaccination.
- Claim a medical or other exemption. Complete and return the [Influenza Vaccination Documentation/Exemption Form](#) and this year’s influenza CBL by Saturday, Dec. 1 to be in compliance. See step-by-step instructions for being in compliance when you claim [medical exemption](#) or [other exemption](#).

Once you have completed your annual requirements, please make sure to
check your compliance status online by logging onto your Employee Compliance site. Noncompliance beyond the deadline will result in corrective action and loss of computer access.

**Professional School Orchestra**

The professional school orchestra is gearing up for its 2018-2019 season. We are now in the process of recruiting players. Anyone enrolled in a graduate or professional program is eligible to play, regardless of experience level (as long as you play an instrument!). We are a full orchestra, meaning we have parts for brass, woodwinds, strings, and percussion (and occasionally piano).

Rehearsals will occur weekly on **Tuesdays from 6-7:30 in Meiling 160**. Concert dates are still being planned, but will likely be in early to mid-December (one evening and one noon concert). If you have a friend enrolled in another graduate or professional program (Pharmacy, Dentistry, Vet med, Optometry, Law, etc.) that plays an instrument, we would appreciate you reaching out to them and letting them know of this opportunity.

So that we are better able to plan for the first rehearsal, please fill out this [google spreadsheet](#) so we have an idea of the instrumentation and personnel for this coming season.

**OSUN Seminar Series for Fall Semester**

The OSU Nutrition Seminar series calendar is now up on the [OSUN website](#) and also [attached](#). The seminar is held in **252 Campbell Hall on Fridays at 11:45**.

**BSGP Authorship Guidelines**

Publication guidelines for OSU ([attached here](#)) cover whether an individual should be included as an author for a manuscript. The BSGP graduate faculty recently adopted general guidelines about authorship; these [guidelines](#) are intended to be general and may not cover every specific situation. These guidelines are included in the [BSGP Handbook](#) as Appendix R.

**Course Offerings**

**B*SGP 7972**

Attention Senior Students: BSGP 7972 will be offered in Spring and Autumn semesters, NOT Summer – please plan ahead.

**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

3 credit hours
Mondays 1-4pm
For more information contact course instructors: Randee Hunter, PhD Amanda Agnew, PhD

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

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
Fellowships

*Presidential Fellowship*

The Presidential Fellowship (guidelines attached) 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 October 10.

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:

1. Student’s current Academic Advising Report
2. Student’s complete graduate vitae
3. Abstract of dissertation proposal or terminal degree project
4. Student’s research statement
5. Advisor’s statement
6. 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 further details. Be sure to follow the style guidelines on page 3 for abstracts and research statements. The standards are very high for this competition and we want all nominees to be presented in the best light possible.

Fannie & John Hertz Foundation Fellowship
Provides unique financial and fellowship support to the nation's most remarkable PhD students in the applied physical and biological sciences, mathematics, and engineering. Hertz Fellows become innovators and leaders serving in ways that benefit us all.

Deadline to submit application: October 24, 2018
References due by: October 26, 2018

See the attached flyer for more information
Please contact the University Representative Dr. Heather Allen with any questions

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**Phi Kappa Phi Fellowship**

Deadline November 30 (opens October 1)

The Honor Society of Phi Kappa Phi annually awards ten Dissertation Fellowships of $10,000 each to active members who are doctoral candidates and are completing dissertations.

[Learn More Here](#)

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**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

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**Ford Foundation Fellowship Programs**

The National Academies of Sciences, Engineering, and Medicine is accepting applications for the 2019 Ford Foundation Fellowship Programs. Eligibility and online application information are available on the Ford Foundation Fellowship Programs website.

Through its Fellowship Programs, the Ford Foundation seeks to increase the diversity of the nation's college and university faculties by increasing their ethnic and racial diversity, to maximize the educational benefits of diversity, and to increase the number of professors who can and will use diversity as a resource for enriching the education of all students.

Eligibility Requirements:

- U. S. citizens, U.S. nationals, U.S. permanent residents (holders of a Permanent Resident Card), as well as individuals granted deferred action status under the Deferred Action for Childhood Arrivals Program (DACA) program¹, political asylees, and refugees, regardless of race, national origin, religion, gender, age, disability, or sexual orientation
- Individuals with evidence of superior academic achievement (such as grade point average, class rank, honors or other designations), and
Individuals committed to a career in teaching and research at the college or university level in a research-based field of science, social science, or humanities

1 Eligibility includes individuals with current status under the DACA Program, as well as individuals whose status may have lapsed but who continue to meet all the USCIS guidelines for DACA available here.

Stipends:
- Predoctoral--$24,000 per year for three years
- Dissertation--$25,000 for one year
- Postdoctoral--$45,000 for one year

Awardees will have expenses paid to attend at least one Conference of Ford Fellows. Approximately 70 predoctoral, 36 dissertation, and 24 postdoctoral fellowships will be awarded.

**Application Deadline Dates:**
- Predoctoral: December 13, 2018 (5:00 PM EST)
- Dissertation: December 6, 2018 (5:00 PM EST)
- Postdoctoral: December 6, 2018 (5:00 PM EST)

Supplementary Materials receipt deadline for submitted applications is January 8, 2019 (5:00 PM EST)

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**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.

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**Post-Doc Opportunities**

**Postdoctoral Research Fellowship for Academic Diversity at CHOP**

CHOP is seeking late stage graduate students or early stage postdoctoral fellows to apply for this fellowship. Please see the attached program description for eligibility requirements.
Successful applicants will be funded by The Children’s Hospital of Philadelphia Research Institute and supported by The CHOP Office of Postdoctoral Affairs. Support will include salary (starting at $50,000 for new postdoctoral fellows with no previous postdoctoral experience, increasing in $2,000 increments annually) and benefits, and provides an annual allowance for travel ($2,000) and supplies ($5,000), and a one-time relocation allowance for external candidates (up to $5,000). Support will be provided for up to three years and participants will be able to take part in all Penn-sponsored programming as well as CHOP-specific programming organized by the CHOP Office of Postdoctoral Affairs.

To be eligible for the CHOP fellowship a CHOP-based research mentor will need to be selected for the postdoctoral lab. External candidates may use the Investigator Directory to search for faculty based on area of study [http://www.research.chop.edu/people/keyword](http://www.research.chop.edu/people/keyword).

**Completed applications are due November 2, 2018.**

For more information and to apply please visit: [http://training.research.chop.edu/prospective-trainees/685-diversity-postdoctoral-fellowships.html](http://training.research.chop.edu/prospective-trainees/685-diversity-postdoctoral-fellowships.html)

Please contact Paulette McRae, Ph.D. with any questions you may have.

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**Postdoc Positions in OSU's Dept of Cancer Biology and Genetics**

Dr. Wang is looking for postdoc students to join her lab. Since her lab website has not been posted yet, her faculty profile has been [attached](http://www.research.chop.edu/people/keyword). Please contact Dr. Wang if you are interested.

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**Two Post-Doctoral Research Scholar Positions in Bioinformatics**

A Statistical Bioinformatics Lab ([http://www.healthcare.uiowa.edu/labs/au/](http://www.healthcare.uiowa.edu/labs/au/)) relocated to the Department of Biomedical Informatics at Ohio State University this August and we are seeking candidates for two postdoctoral research scholar positions and graduate research assistants to work on the following areas of genomics and sequencing data analysis:

1) **Bioinformatics method development**: We are looking for a postdoctoral scholar or graduate research assistant to develop statistical and computational/algorithmic methods for high-throughput sequencing data analyses, such as transcriptome, epigenetics and genome. Background on mathematics, statistics, computer science or degree in a related field is desirable.

2) **Computational biology**: We are looking for a postdoctoral scholar or graduate research assistant in biology background. Our lab performs world leading science in development process and cancer research. Our team focuses
on making meaningful advances to understand development process and cancer, using cutting edge technologies (Third Generation Sequencing technologies, such as PacBio and Oxford Nanopore Technologies) to create authentic models and gain novel biological insights in transcriptome and epigenetics level. A typical candidate would have skills in including but not limited to implementing basic in-house bioinformatics tools, collaborating with statistician and computational biologists to elucidate biological discovery and mining out biological insights. Background in biology, computational biology or bioinformatics is desirable.

The postdoctoral research scholars and graduate research assistants will have the opportunity to collaborate with internationally recognized biomedical scientists at Stanford University and University of Oxford.

Interested candidates are very welcomed to meet Prof. Kin Fai Au at Lincoln Tower to learn more about the science and research that the Statistical Bioinformatics Laboratory is working on. Please email Prof. Kin Fai Au at KinFai.Au@osumc.edu to set up an appointment.

### Position Opening - Scientist I at the Center for Immuno-Oncology

Please see the attached link for more information regarding an opening at the Dana-Farber Cancer Institute in Boston, MA.

### Post-Doctoral Associate - Moscat Lab

On the role of inflammation and metabolism in colorectal and liver cancer initiation and progression

One fully funded postdoctoral position is available in the laboratory of Jorge Moscat to study signaling and metabolic pathways in tumorigenesis and the role of the stroma and the tumor microenvironment. The project is based on our recent publications in Cell (2013, 2016), Cancer Cell (2014, 2016, 2017, 2018) Cell Reports (2015, 2016), and Cell Metabolism (2014, 2017), and will use mouse models and cell based studies and the interrogation of human cancer samples.

Requirements: We are looking for highly motivated and enthusiastic individuals who are interested in this very competitive topic, and with expertise in this area and with experience in mouse models. Candidates must have a Ph.D. or M.D. degree. Interested applicants should submit a single PDF file containing CV, a brief description of research accomplishments, interests, and career goals, and contact information (e-mail address and phone number) of three references to Dr. Jorge Moscat (CC: Ms. Sarah Forte)

The position is available starting immediately, and offers a very competitive health and retirement package.

### Postdoc Fellow Position | NIH/NIA-Intramural Research Program
**Post Doctoral Scientist - Cardiovascular Research**

Please see the webpage for more information regarding a job opening at Nationwide Children's Hospital.

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**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.

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**Postdoctoral Opportunity at Yale University**

Please see the attachment for more information regarding this position.

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**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.

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**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.

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**Other News and Events**
*Sigma Xi Grants-in-Aid of Research*

The Ohio State Chapter of Sigma Xi supports OSU student research through our Grants-in-Aid of Research (GIAR) program to provide direct support of a student’s research project. Applications are encouraged from undergraduate and graduate students in all areas of science of engineering. These short (less than 2 pages) applications from students are judged on the basis of (1) quality of the project narrative, (2) budget justification, and (3) strength and specificity of the faculty sponsor’s letter of support. The application deadline for this year is October 15, 2018. Check out the flyer and more information can be found here.

If you have any questions about the GIAR program please contact Dr. Larry Feth.

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*5th Annual Donut Run*

Join us for the 5th Annual Columbus Donut Run to be held Sunday, October 28, 2018 at Genoa Park. The Columbus Donut Run is an annual 5K running and walking event to benefit the Joan’s Foundation whose net earnings support Head and Neck Cancer research at The Ohio State University’s Comprehensive Cancer Center & Department of Otolaryngology. It is the original 5K that pays homage to the donut!

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Cure CF Columbus Training Grants

Cure CF Columbus is excited to announce another round of training grants.

The request for applications and required document templates can be found here. Please feel free to forward this to anyone who might have an interest.

If you have any questions, please feel free to contact Linda Humston.

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Training Opportunities at the NIH

Clinical and Translational Research
Course for Ph.D. Students
Two-week intensive introductory course to demonstrate the role of Ph.D. scientists in clinical and translational research, provide an overview and examples of how basic science and clinical observations lead to translational research, and increase awareness and access to Ph.D. role models, research resources, and potential career opportunities at the NIH.
https://cc.nih.gov/training/phdcourse/index.html

Postdoctoral Research Training Awards
Provides the opportunity for recent doctoral degree recipients to enhance their research skills in the resource-rich National Institutes of Health (NIH) environment, which consists of more than 1200 laboratories/research projects.
https://www.training.nih.gov/programs/postdoc_irp

Graduate Partnerships Program
This program is designed to bring PhD graduate students to the NIH Intramural Research Program for dissertation research.
https://www.training.nih.gov/programs/gpp

Core Curriculum in Clinical Research
Free courses offered include: Introduction to the Principles and Practice of Clinical Research (IPPCR); Principles of Clinical Pharmacology (PCP); and Ethical and Regulatory Aspects of Clinical Research. These courses are offered as distance learning courses.
https://cc.nih.gov/training/training1.html

NIH Opportunity for Aspiring Biomedical Researchers
The National Institute of Allergy and Infectious Diseases (NIAID), one of the largest Institutes at the National Institutes of Health (NIH), is looking for science students with a passion to advance global health research in the 21st century for its Intramural NIAID Research Opportunities (INRO) program, held February 4-7, 2019, in Bethesda, Maryland. Selected INRO students visit NIAID to learn about the breadth of research we do in the areas of allergy, immunology, and infectious diseases from world-renowned scientists and interview for potential research training positions.

Find out more about INRO

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.

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