

**Subject:** [BioAdv] Newsletter 12/11/2018  
**Date:** Tuesday, December 11, 2018 at 2:04:59 PM Eastern Standard Time  
**From:** BioAdvising on behalf of Bio Dept Majors' Announcements <bioadvising@list.pitt.edu>  
**To:** Bio Dept Majors' Announcements <bioadvising@list.pitt.edu>  
**Attachments:** ATT00001.txt

Bio Advising Newsletter – 12/11/2018

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CHECK IT OUT

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 \*\*\* DETAILS \*\*\* DETAILS \*\*\*  
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1. Advising Meetings, Quick Questions, Winter Recess

**FINALS WEEK!** The Bio Advisors are here to help! Feel free to come with questions or ideas or just to chat. You are able to walk-in during regular business hours or make an appointment.

The Advising Office (and University) will be closed from December 24, 2018 through January 1, 2019.



## 2. Biological Sciences Major Jackets – deadline Dec 21

**Don't forget to order one before it's too late!**

Interested in Biological Sciences jackets? You've seen other majors in our department wearing apparel designating their specific major. Surely, we cannot leave out the largest major in our department!

Seniors Kristen Richards ([krr66@pitt.edu](mailto:krr66@pitt.edu)) and Michaela Schreyer ([mms197@pitt.edu](mailto:mms197@pitt.edu)) have designed full-zip jackets with the Pitt insignia and the words "Biological Sciences" embroidered underneath for purchase. There are various colors and cuts available to choose from. The cost of the jackets is \$55 paid with credit or debit online. Any questions should be directed to either Kristen or Michaela.

They're great for last-minute gift ideas (ask your parents/families for the best holiday gift)!

All orders are due by December 21, and the jackets will be ready for pick up on January 9, 2019. (Additional dates and times TBA). If you are graduating in December and will not be on campus in January, there is a shipping option (not free shipping though)!

**Order yours now!** (If there is a note up at the top about Pitt Dental, please disregard. The jackets will be Biological Sciences jackets).

- For free campus pickup orders: <http://bit.ly/2QT9kVE>
- For shipping (additional fees apply) orders: <http://bit.ly/2OTEytW>

## 3. Bio Advising Snack Break – All Week!

It is snack break! Stop by the Advising Office in A258 Langley for FREE snacks during finals week (Dec 11 - 14). **FOR BIO MAJORS ONLY.**

## 4. De-Stress B4 the Tests Events – Dec 11-12

Free stress relieving activities for Pitt students!

Check here for a list of all the events remaining: <http://fal.cn/SkGB>

## 5. Senior of the Year Award (ODK) Application – deadline Jan 11

Since the 1920's the University of Pittsburgh chapter of Omicron Delta Kappa, the national leadership honor society, has recognized one recently graduated or graduating senior who exemplifies leadership of exceptional quality and versatility.

The purpose of the SENIOR OF THE YEAR award is to:

- Recognize a student for meritorious leadership and extracurricular activities;
- Recognize a student who has developed as a whole person, both as a member of the Pitt community and as a prospective contributor to the greater world;
- Recognize exemplary character, responsible leadership, service in campus and/or community life, scholarship, genuine fellowship, and dedication to democratic ideals;
- Recognize the type of student who the University aspires to produce;
- Inspire others to strive for similar conspicuous attainments.

Contact Rich Rann at [rfann@pitt.edu](mailto:rfann@pitt.edu) for the complete application or for questions.

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## 6. Structural Bio Spring Research Opportunity & Waitlist

This is to announce the creation of a “waiting list” for undergraduates that are interested in receiving training in the fields of molecular biology, biochemistry, and structural biology through the University of Pittsburgh School of Medicine, Department of Structural Biology. Promising students with interests aligned with the research approaches of the department will be contacted on a first-come-first serve basis when open positions in the various labs become available.

Currently, beginning in the spring semester, there is the opportunity for up to 2 undergraduates to join the Gronenborn/Thomas collaboration. Chosen students will help discover mechanisms of regulation of histone deacetylases and how modulation of these enzymes can be used therapeutically to treat metabolic and neurological disease. The time requirement is variable and a prospective student may decide at the beginning of the semester how much time they wish to contribute on a weekly basis. Preference will be given to students interested in continuing participation through multiple semesters. These are not paid positions but thoughtful and hardworking contributions will be rewarded with authorship on publications. Students must be able to fulfill their time commitments during the hours of 6AM-3PM. All levels of experience are welcome.

Interested students should contact:

Troy Krzysiak PhD

[Trk8@pitt.edu](mailto:Trk8@pitt.edu)

University of Pittsburgh School of Medicine, Department of Structural Biology

3501 5<sup>th</sup> Ave

BST3 Suite 1043

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## 7. Ecology & Evolution Spring Research Opportunity

The Wood lab in the Department of Biological Sciences is looking for an undergraduate student to help conduct research on the evolutionary ecology & genetics of plant-microbe interactions. The goal is to understand why plants that are good at attracting beneficial microbes are more susceptible to parasites than those that aren't.

The student will help set up greenhouse and laboratory experiments; take care of plants, maintain microbial cultures; and collect data on experimental plants. Students must commit 10 hours per week and do so for credits.

If interested, please submit your resume and an unofficial copy of your transcript to Dr. Corlett Wood at [corlett.wood@pitt.edu](mailto:corlett.wood@pitt.edu).

To learn more about the research, check out [www.the-wood-lab.net](http://www.the-wood-lab.net).

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## 8. Caring.Com Student-Caregiver Scholarship – deadline Dec 31

The Student-Caregiver Scholarship provides financial assistance to students who are caring for an adult relative while enrolled in college.

Two scholarships of \$1,500 are awarded each year to student-caregivers to help cover costs of tuition and books. Applicants must be full-time college students at an accredited two-or-four-year college or university in the United States

More info & apply: <http://bit.ly/2zG4zbs>

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## 9. PA Space Grant Research Award – deadline Jan 11

The University of Pittsburgh Department of Physics and Astronomy has received funding from the Pennsylvania Space Grant Consortium to support undergraduate research. Several undergraduate scholarships of \$1500 each will be awarded in the spring semester (2019). Students who receive these scholarships will be expected to work with a faculty research mentor for around 10 hours per week over the 15 week semester. These students will also be required to present the results of their research in a public forum, such as the Physics and Astronomy

Undergraduate Seminar or the Undergraduate Research Fair.

The goal of the NASA Space Grant program is to encourage students to enter science, technology, engineering and math (STEM) fields. Because the funding comes from NASA, any STEM topic will be considered but preference will be given to research that is directly related to astronomy or space physics. Another goal of the program is to encourage students with little or no prior experience to become involved in research work. Therefore, students who have received one or more of these scholarships in the recent past are welcome to apply again, but preference will be given to candidates who have not previously received one of these awards. Qualified women and minority candidates are strongly urged to apply. **Please note that only U.S. Citizens are eligible to receive one of these awards.**

The spring semester scholarships will be awarded in early January, so now is the time to get started. Here are the requirements for the application:

1. A one or two page research proposal written by you and a faculty research mentor (be sure to include your name, department and email address).
2. A letter of recommendation from the same faculty research mentor.
3. An academic transcript (official or unofficial).

All application materials should be sent to:

Dr. Russell Clark  
Department of Physics and Astronomy  
100 Allen Hall  
University of Pittsburgh  
Pittsburgh, PA 15260

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#### 10. Clarkson Scholars Program – deadline Jan 14

Each year, the Clarkston Scholars Program provides one sophomore attending a four-year college or university undergraduate program in Pennsylvania, majoring in a life sciences related field of study, a \$10,000 scholarship award (\$5,000 per year for junior and senior year). In addition, the Clarkston Scholar will receive exposure to the life sciences industry through mentoring with Clarkston Consulting and participation in [Life Sciences Pennsylvania \(LSPA\) events](#) over the course of the two-year scholarship award period.

More info & apply: <https://clarkstonconsulting.com/clarkston-scholars-program/>

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#### 11. Trefil Science Scholarship (Polish Descent) – deadline Jan 15

The Drs. James and Wanda Trefil Science Scholarship of \$5,000 is awarded to a qualified undergraduate student who is majoring in the Natural Sciences: physics, chemistry, biology, astronomy, earth science, etc. One \$5,000 scholarship is available for full-time studies in the United States. Funding is for academic year **September 2019 - May 2020**. The selection of a scholarship winner is made on a competitive basis by the Kosciuszko Foundation.

More info & apply: <https://www.thekf.org/kf/scholarships/tuition/science/>

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#### 12. Udall Scholarship – deadline Feb 8

The Udall Foundation awards scholarships to college sophomores and juniors for leadership, public service, and commitment to issues related to Native American nations or to the environment.

In 2019, the Udall Foundation anticipates awarding 50 scholarships of up to \$7,000 each.

The Udall scholarship honors the legacies of Morris Udall and Stewart Udall, whose careers had a significant impact on Native American self-governance, health care, and the stewardship of public lands and natural resources.

This scholarship requires Pitt endorsement.

More info & apply: <http://bit.ly/2ToVaNE>



### 13. Pharmaceuticals Student Internships

Are you interested in pharmaceuticals/industry for a career path? Check out ISPE's list of companies that offer student internship programs.

More info: <https://ispe.org/membership/students/internship-program#internships>



### 14. RIT's List of External Opportunities

Rochester Institute of Technology (RIT) has an expansive list of summer research opportunities. These are not updated for 2019, but you can go to individual programs and see if the individual programs have been updated. Deadlines are soon approaching and you will want to start looking now!

More info: <http://bit.ly/2F3gghl>



### 15. Univ of Michigan Opportunities

The University of Michigan offers 15+ summer undergraduate research opportunities in biomedical sciences! Most applications are open now, and each program has its own application and deadline.

More info: <https://medicine.umich.edu/medschool/education/non-degree-programs/undergrad-summer-research>



### 16. Hackensack Univ Clinical Research Volunteer – deadline Jan 11

Hackensack University Medical Center offers an 8-week research volunteer position during the summer to 8-10 outstanding undergraduate, post baccalaureate, and first year medical students interested in gaining clinical research experience.

The 2019 Summer Clinical Research Volunteer Program in Pediatrics at Hackensack University Medical Center offers pre-medical and medical students the opportunity to work closely with a faculty mentor on one or more research projects related to their specific sub-specialty. The primary focus of this position is clinical research and writing. Each departmental track of the program will grant admission to 1-2 students. These students will have the unique opportunity to join a faculty member in completing an ongoing research project and/or create a new project proposal with his or her mentor's guidance. Students will also gain valuable insight into the publication process, including opportunities to participate in co-authorship of research projects in peer-reviewed pediatric journals.

More info & apply: <https://www.hackensackumc.org/services/pediatrics/pediatric-research-innovations/summer-clinical-research-volunteer-program-pediatrics/>



### 17. Allegheny Health Research Intern – deadline Jan 18

The Allegheny Health Network's (AHN) Medicine Institute (MI) Research Program, based in Pittsburgh, PA is offering its annual Summer Research Internship Program. The program typically admits 6-8 students per summer for an eight-week research internship conducted under the mentorship of an MI faculty member. This program runs from early June to late July and includes a mentored research project, numerous opportunities for clinical shadowing, a didactic lecture series focused on specific disease areas, and career development workshops.

More info & apply: <https://apply.interfolio.com/58358>



### 18. Cooper Medical Premed Urban Leaders – deadline Jan 28

The 2019 **Premedical Urban Leaders Summer Enrichment** (PULSE) Program, at Cooper Medical School of Rowan University, is an academic enrichment program for college undergraduate students interested in healthcare professions. The PULSE program provides academic, clinical, research and service learning opportunities with a focus on urban health needs.

The PULSE program is free to accepted students. Applicants will be accepted based on academic standing, professor recommendations and commitment to a career in the health professions. **Students from groups underrepresented in medicine and/or financially and educationally disadvantaged backgrounds are encouraged to apply.** College credit is not offered for PULSE, however students will gain educational enrichment opportunities and experiences that could prove invaluable for their future careers.

Program highlights include coursework in basic sciences; discussions about health, economic and educational disparities affecting urban communities; and a capstone poster symposium in which students present observations on what they learned.

More info & apply: <http://cmsru.rowan.edu/diversity/undergrad/>

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#### 19. **UCLA Public Health Scholars Training Program – deadline Jan 31**

The UCLA Public Health Scholars Training Program provides undergraduate students the opportunity to explore the field of public health through hands-on training, structured workshops, group excursions, and leadership and professional development. Located in Los Angeles, the program offers scholars the opportunity to train at UCLA, to explore public health in one of the most diverse counties in the US, and to experience the city's vibrant culture. We work with community-based organizations, health systems, and government agencies to offer field placement opportunities for scholars that focus on health equity.

Scholars are placed at these partnering organizations throughout Los Angeles where they are exposed to the spectrum of public health practice and provided with professional mentors. To supplement field work, scholars attend workshops, develop leadership and professional skills, and receive mentoring from graduate students and faculty. Scholars become a part of a motivated community invested in creating healthy futures for all.

More info & apply: <https://ph.ucla.edu/prospective-students/ucla-public-health-scholars-training-program>

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#### 20. **Michigan SURP in Physiology – deadline Feb 1**

The SURP program provides undergraduate students with experience in biomedical research under the direct mentorship of University of Michigan Medical School faculty. The program is funded by a NIH R25 grant in collaboration with other existing programs at the University of Michigan. During the 12-week program, students work closely with faculty mentors on projects related to the mission of National Heart, Lung, and Blood Institute (NHLBI) and will attend a weekly Physiology Seminar Series.

Students from underrepresented groups and those from economically disadvantaged backgrounds who are interested in ultimately pursuing research at the Ph.D. level in graduate school are encouraged to apply.

SURP offers summer experience with investigators involved in Cardiovascular biology, Cerebrovascular biology and Pulmonary sciences, and Circadian rhythms and sleep sciences.

More info & apply: <https://medicine.umich.edu/dept/molecular-integrative-physiology/education/undergraduate-opportunities/summer-undergraduate-research-physiology-surp>

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#### 21. **UC Santa Cruz Conservation Scholar – deadline Feb 8**

Applications for the Doris Duke Conservation Scholars Program ([conservationscholars.ucsc.edu](http://conservationscholars.ucsc.edu)) at the University of California Santa Cruz are now available. Each March, 20 early-undergraduate Scholars from around the country participate in a two-year conservation mentorship program centered on the summers between academic years. The goal is to serve students from groups traditionally underrepresented in conservation, across disciplines, who can contribute to diversifying, redefining, and strengthening efforts to protect land, wildlife and water. Efforts are focused on serving college freshmen, sophomores, and juniors with two years of college left at a stage when their undergraduate careers and their choices as they graduate can be supported. Students who attend or are

transferring to any four-year institution in the US, its territories and Native nations are eligible.

More info & apply: <https://conservationscholars.ucsc.edu/>

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## 22. MSU Plant Genomics REU – deadline Feb 11

The Plant Genomics @ MSU REU Program provides high quality research and training experiences for undergraduates interested in biology, biochemistry, biotechnology, chemistry, bioinformatics, and computational sciences. During the 10-week program participants are embedded within a [research group](#) at Michigan State University and undertake a mentored research project with the overall aim of providing an experience akin to that undertaken by a first year graduate student. In addition to a 10-week research project, students participate in a range of professional development activities that includes workshops and seminars designed to enhance their scientific and professional skill sets as well as provide information on graduate school and careers within STEM disciplines.

More info & apply: <https://plantgenomics.msu.edu/>

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## 23. Duquesne Biology CIRCLE – deadline Feb 15

Solving modern scientific problems typically involves multiple approaches and techniques, often called "team science." With the **Biology CIRCLE Program**, undergraduate students will have the opportunity to work on exciting research projects in teams that include mentors from two different research laboratories. In this way, students will investigate a basic research question from two different perspectives.

More info & apply: <https://duq.edu/academics/schools/natural-and-environmental-sciences/undergraduate-research/biology-circle-program>

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## 24. Pitt TECBio REU – deadline Feb 20

TECBio: "Simulation and Visualization of Biological Systems at Multiple Scales" is an NSF-funded, 10-week, summer, REU program that provides a challenging graduate-level research experience in computational biology. In addition to performing cutting-edge research, TECBio students will also participate in other academic activities, such as classes, seminars, and discussions, while experiencing the various social and cultural activities available in Pittsburgh.

More info & apply: <https://tecbioreu.pitt.edu/>

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## 25. Case Western CanSUR – deadline not specified

Case Comprehensive Cancer Center (Case CCC) at Case Western Reserve University (CWRU) is introducing a new program for the summer of 2019, called CanSUR, funded by the National Cancer Institute. CanSUR aims to provide a strong foundation in cancer biology, followed by a laboratory assignment with one of 60 Case CCC researchers studying cancer genetics, cancer cell signaling, experimental therapeutics, and cancer prevention and epidemiology research. The goal of the program is to generate excitement for a future career in cancer research in highly motivated undergraduates and help them prepare for the next stage of their careers.

The CanSUR program will support 32 undergraduates for a 10-week period (June through August) each summer, beginning in 2019. A stipend of \$4,000 for will be provided for the 10-week program. Housing and travels allowances will be available for non-local appointees.

More info & apply: <https://case.edu/cancer/training-education/cancer-focused-summer-undergraduate-research-cansur>

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Until next week,

**Christine Berliner**  
**Ellen Kelsey**  
**Jessica Wandelt**  
**Dan Wetzel**  
**Kevin Wu**

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