Bio Advising Newsletter – 11/21/2017

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1. **Advising Meetings & Quick Questions**

   The Bio Advisors are here to help, and we have lots of time now that the enrollment rush is past. Even if you’ve had your appointment, feel free to come back with questions or ideas or just to chat.

2. **Thanksgiving Week Office Hours**

   The Bio Advising Office will have the following office hours this week:
   - Tuesday, November 21: Regular Business Hours
   - Wednesday, November 22: 9am-1pm
   - Thursday, November 23: CLOSED
   - Friday, November 24: CLOSED

   Stop by before you leave if you have questions, otherwise please email or see us when we return on Monday, November 27.

3. **Bio Departmental Honors Program – deadline Nov 30**

   Students who are interested in the challenge of this program, and have a current QPA of 3.25 or above, should apply for admission. The Departmental Honors Committee will review applications twice a year; applications must be submitted by November 30 for the Spring Term.

   Your application must be submitted and reviewed in your sophomore or junior years *(before you begin your final year)* to ensure sufficient time to complete 6 credits of honors research. Only students admitted to the Departmental Honors program may register for Biosc 1904.


4. **Become a Biological Sciences Peer Advisor – deadline Dec 8**

   Peer advisors will meet with current and prospective biological sciences majors to share their personal college experiences and offer advice on scheduling, studying, and extracurricular activities. Students participating in the peer advising program will be required to attend 1-2 training sessions at the start of the semester, hold 1-2 weekly office hours, participate in one biology social each month, and help organize and participate in at least one workshop or group discussion during the semester. In addition, peer advisors will work together to maintain the department blog and manage the database of prospective student visits.

   Peer advisors will be expected to work about 4-5 hours/week and will receive 1 credit of independent study (does not count towards biology major requirements!)
If interested, please contact Jessica Wandelt (jewandelt@pitt.edu) or stop by A258 Langley for an application. **Applications are due December 8!**

5. **Seniors: Are you enrolled in everything you need to graduate?**

Are you a graduating senior who is waitlisted for a BIOSC class you need to graduate? E-mail Christine, Ellen, Jessica, or Kevin.

We are monitoring waitlists and need to know how we can help you get classes you need to graduate!

Also, the deadline for April graduation has passed. **GO to 140 Thackeray ASAP if you have not yet applied. A late fee may be assessed.**

6. **NIH Research Assistant Jobs Starting May/June 2018**

The Department of Health and Human Services (DHHS), National Institutes of Health (NIH), National Institute of Mental Health (NIMH), Emotion and Development Branch, Section on Mood Dysregulation and Neuroscience (SMDN), in Bethesda, Maryland, seeks qualified individuals to fill IRTA (Intramural Research Training Award) positions, with employment starting late May/early June 2018.

SMDN conducts research on the brain mechanisms and treatment of mental illness in youth. The particular research interest involves the investigation of the brain mechanisms associated with chronic irritability in children and adolescents, and in using this brain-based knowledge to develop new treatments. These new treatments include computer-based psychological interventions and new applications of Cognitive Behavioral Therapy (CBT).

The full-time positions require a bachelor’s degree and a U.S. citizenship or permanent resident status (resident alien). A minimum commitment of one year is expected; however, a two-year commitment is strongly preferred.

More info & apply: [https://www.training.nih.gov/programs/postbac_irta](https://www.training.nih.gov/programs/postbac_irta)

Following completion of the online application, individuals should also forward a letter of interest and resume to:

Julia Brooks  
National Institute of Mental Health  
National Institutes of Health  
Department of Health and Human Services  
julia.brooks@nih.gov  
301-435-6647

7. **UC Irvine MCSB Grad Program – deadline Dec 15**

The graduate program in Mathematical, Computational and Systems Biology (MCSB) at UC Irvine is designed to meet the interdisciplinary training challenges of modern biology and to function in concert with existing departmental programs (Departmental Option) or as an individually tailored program (Interdisciplinary Option) leading to a M.S. or Ph.D. degree.


8. **IHME Post-Bachelor Fellowship – deadline Jan 10**

The Institute for Health Metrics and Evaluation Post-Bachelor Fellowship (PBF) is a structured health research program where individuals can apply their knowledge and passion to help advance the field of health metrics and accelerate global health progress. This fellowship provides a unique opportunity for recent college
graduates with strong quantitative skills to train with faculty and senior researchers on a variety of public health projects.


### 9. Broad Summer Research Program – deadline Jan 8

The Broad Summer Research Program (BSRP) is an intensive nine-week summer research opportunity designed for undergraduates with a commitment to biomedical research and an interest in genomics. BSRP has a strong record of success in helping students to nurture their passion for research and succeed in graduate school and scientific careers. Students spend the summer performing original computational or experimental-based research in labs across the Broad's research areas, from cancer to infectious disease to computational biology. At the program’s conclusion, students deliver oral and poster presentations on their research projects.

More info & apply: [https://www.broadinstitute.org/bsrp/broad-summer-research-program-bsrp](https://www.broadinstitute.org/bsrp/broad-summer-research-program-bsrp)

### 10. Roswell Park Cancer Institute Research Experience – deadline Jan 10

Are you a college junior contemplating a research career choice that includes graduate school? Then consider an internship that gives you a first-hand cancer research experience by working full-time on an independent project.

This core research experience will be fortified by a curriculum of educational and career development activities. Through these activities, you will engage in informal scientific exchange with faculty and students at an Roswell Park-wide science retreat; learn about current and cutting-edge topics in cancer at weekly seminars; share in your discoveries with intern peers through peer-mentorship cross-training; and explore the possibility of alternative science careers during field trips to life science companies.

More info & apply: [https://www.roswellpark.org/education/summer-programs/college-students](https://www.roswellpark.org/education/summer-programs/college-students)

### 11. Jefferson College Summer Research – deadline Jan 15

Jefferson College of Biomedical Sciences sponsors summer research positions for students who have completed their junior year. These positions provide opportunities for undergraduate students to work in the laboratories of active faculty researchers. The program is designed to provide a rich experience for students interested in pursuing their graduate studies in the biomedical sciences.

More info & apply: [http://www.jefferson.edu/university/biomedical-sciences/other-opportunities/summer-programs.html](http://www.jefferson.edu/university/biomedical-sciences/other-opportunities/summer-programs.html)


The Biomedical Informatics program introduces participants to the intersection of quantitative and biomedical sciences, providing them with broad knowledge of clinical relevancy as well as specific skills in the information science of genomics. The program brings together nationally recognized leaders from the basic biological sciences, computer science, genomics, bioinformatics and epidemiology. Undergraduate students interested in pursuing a career in bioinformatics are eligible to apply to this nine-week program.

The Summer Institute is part of MIT's and Harvard's effort to help facilitate the involvement of talented students in engineering and science research, in particular, underrepresented minority students, first-generation college students, and those from disadvantaged backgrounds.

More info & apply: [https://hst-dev.mit.edu/academics/summer-institute/biomedical-informatics](https://hst-dev.mit.edu/academics/summer-institute/biomedical-informatics)

### 13. Pitt School of Med SURP – deadline Feb 1
The Summer Undergraduate Research Program (SURP) will begin May 21, 2018 and end July 27, 2018.

SURP provides an intensive 10-week research experience designed to help undergraduates perform outstanding cutting edge research at Pitt. Students are matched with research mentors, participate in weekly seminars and lab meetings and conduct laboratory based research.

The program is administered by the Interdisciplinary Biomedical Graduate Program (IBGP) at the University of Pittsburgh School of Medicine – a premiere research center in the historic Oakland section of Pittsburgh. The School of Medicine provides an exceptional environment for students to gain research experience under the guidance of internationally recognized scientists.

More info & apply: http://somgrad.pitt.edu/programs/summer-research/summer-undergraduate-research-program

14. Geisinger SURP – deadline Feb 2

The Geisinger Clinic Summer Undergraduate Research Program (SURP) provides an exceptional opportunity for undergraduate students to conduct research under the mentorship of our nationally and internationally recognized scientists. This program is designed for undergraduates with a strong background in the sciences who are considering a career in biomedical research. Participants experience the joy of scientific discovery as well as the challenges inherent in scientific research while developing skills in scientific reasoning, research methods and scientific communication through interaction with the research staff.

More info & apply: https://www.geisinger.edu/research/careers/summer-research-internships

15. OSU Stone Lab REU – deadline Feb 5

Stone Lab's Research Experience for Undergraduates (REU) Scholarship Program is a competitive comprehensive research internship that attracts students from across the country to learn how to conduct real, in-the-field research alongside top scientists. Over five weeks, participants use scientific equipment, explore the Lake Erie islands, and collect important data to help solve the most pressing issues for the Great Lakes region.

While taking a five-week course at Stone Lab, REU students spend their non-class days focused on research. Working closely with their research supervisor, they collect data, learn how to write about their discoveries and give a final presentation to their peers — learning the research process from start to finish and gaining valuable professional experience.

More info: https://ohioseagrant.osu.edu/research/reu

16. Monterey Bay Aquarium Research Institute – deadline Feb 21

The Monterey Bay Aquarium Research Institute’s Summer Internship Program provides an opportunity for talented college students (undergraduate and graduate) for a period of 10 weeks to work on a specific project under MBARI staff supervision.

With state-of-the-art facilities and equipment that includes research vessels, remotely operated vehicles (ROVs), and autonomous underwater vehicles (AUVs) to explore the deep ocean, MBARI's Summer Internship Program offers teachers and students unique opportunities to be involved in advanced research and development projects.

More info & apply: https://www.mbari.org/2018-mbari-summer-internship-program/

17. Pitt Vascular Med Institute SURP – deadline Feb 28

The University of Pittsburgh, in cooperation with the American Heart Association and the Vascular Medicine Institute, offers a stipend to support summer research experiences in cardiovascular sciences or brain
ischemia research for undergraduates mentored by a University faculty member. The SURP is designed to expose students to cutting-edge basic and translational cardiovascular research.


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18. **Amgen Scholars – deadlines vary**

Amgen Scholars allows undergraduates from across the globe to participate in cutting-edge research opportunities at 17 world-class institutions.

Undergraduate participants benefit from undertaking a research project under top faculty, being part of a cohort-based experience of seminars and networking events, and taking part in a symposium in their respective region (U.S., Europe or Japan) where they meet their peers, learn about biotechnology, and hear from leading scientists.

Hosting Institutions: CalTech, Columbia, Harvard, MIT, NIH, Stanford, UC-Berkeley, UCLA, UCSF, WashU, Kyoto University, Univ of Tokyo


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19. **Roche Summer Internship STEM**

As a global leader in healthcare, Roche Diagnostics offers a broad portfolio of tools that helps healthcare providers in the prevention, diagnosis and management of diseases like HPV, HIV, hepatitis and diabetes and other medical conditions, such as fertility and blood coagulation. These products and services are used by researchers, physicians, patients, hospitals and laboratories worldwide to help improve people’s lives.

Qualifications:
- Targeting STEM student currently working towards undergraduate or graduate degree
- Desire GPA 3.0 or higher
- Desire previous work experience
- Student organization and/or study abroad experiences are a plus
- Excellent communication, collaboration, and interpersonal skills

More info & apply: [https://goo.gl/s5Gz3k](https://goo.gl/s5Gz3k)

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20. **Rowan Premed Urban Leaders Enrichment – deadline Jan 29**

The Premedical Urban Leaders Summer Enrichment (PULSE) program at Rowan University is a six-week summer academic enrichment program for undergraduate students interested in pursuing a healthcare profession. This program provides academic, clinical, research and service learning opportunities with a focus on urban health needs.

The primary goal of PULSE is to provide students from underrepresented and/or educationally and financially disadvantaged backgrounds exposure to medical professions. PULSE is a full-day program that runs five days per week for six weeks and culminates with the PULSE Symposium.

More info & apply: [http://www.rowan.edu/coopermed/diversity/undergrad/](http://www.rowan.edu/coopermed/diversity/undergrad/)

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21. **Pitt Summer Premed Academic Enrichment Program – deadline Jan 31**

The University of Pittsburgh School of Medicine seeks talented and motivated students who possess an interest in studying medicine. The University of Pittsburgh School of Medicine (UPSOM) would like to invite students to participate in a seven-week residential Summer Premedical Academic Enrichment Program (SPAEP). This summer program is open to college sophomores who have completed Biology 1&2, Chemistry 1&2 (with labs) and accrued 60 credits with a science GPA of 3.6. SPAEP is designed specifically to prepare
and support talented and motivated student who wish to pursue careers in the profession of medicine. The program targets applicants who are traditionally underrepresented in medicine with particular emphasis on those with disadvantaged socioeconomic backgrounds.

More info & apply: http://www.medschooldiversity.pitt.edu/summer-premedical-academic-enrichment-program-spaep

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22. Summer Health Professions Education Program – deadline Feb 15

The Summer Health Professions Education Program (SHPEP) is a free summer enrichment program focused on improving access to information and resources for college students interested in the health professions. SHPEP's goal is to strengthen the academic proficiency and career development of students underrepresented in the health professions and prepare them for a successful application and matriculation to health professions schools.

More info & apply: http://www.shpep.org/

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23. VCU Allied Health Career Exploration – deadline Apr 6

Allied Health Career Exploration is a program designed to expose students to the diverse professional programs available at the VCU School of Allied Health Professions.

In this two-week, nonresidential summer program, students will explore each department/degree program in the VCU School of Allied Health Professions: patient counseling, clinical laboratory sciences, physical therapy, occupational therapy, nurse anesthesia, rehabilitation counseling, radiation sciences, health administration and gerontology.

More info & apply: https://dhsd.vcu.edu/pipeline-programs/college/allied-health-career-exploration/

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24. Breakthrough Collaborative Teaching Fellow – deadline Jan 11

The Breakthrough teaching fellow experience is designed for undergraduates of all majors and for those who intend to pursue careers in education, as well as those who haven’t yet considered it. The opportunity is unlike any other available to undergraduates and our alumni are transformed by the experience. Education coursework is not a prerequisite. Teaching fellows must be committed to personal growth and comfortable working in a fast-paced, collaborative environment.

During the nine-week residency, Breakthrough teaching fellows receive over 100 hours of teaching and leadership training, and 75 hours of lead classroom experience. Teaching fellows have the opportunity to practice skills that prepare them for the classroom or other professional settings.

More info & apply: https://www.breakthroughcollaborative.org/

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25. Uncommon Schools Teaching Fellowship – deadline rolling

Uncommon Schools recognizes the importance of building a talented staff of teachers who reflect the diverse backgrounds and experiences of our students.

Summer Teaching Fellows come from college campuses across the United States to observe, learn from, and co-teach with Mentor Teachers who are currently full-time, high-performing teachers within our Uncommon schools. STF is currently offered in Boston (MA), Newark (NJ), Brooklyn (NY), Rochester (NY), and Troy (NY) and Fellows serve students in grades K-12.

More info & apply: http://www.uncommonschools.org/careers/stf

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26. Generation Teach Teaching Fellowship – deadline rolling
Generation Teach offers summer teaching fellowships to diverse undergraduate students. Generation Teach believes teachers should reflect the communities they serve and that many more young people would become teachers if they had the opportunity to try teaching. Fellows are the teachers in their classrooms. They complete 40 - 60 hours of solo teaching experience with daily coaching and support.

If you are a freshman, sophomore, or junior, you are eligible to apply for our six- or seven-week summer teaching fellowships in Boston, Denver, Holyoke, or Providence. We provide scholarships of $1,800 for our 6-week fellowship, $2,000 for our 7-week fellowship, or subsidized housing and a $750 scholarship.

Applications are reviewed by the 5th of each month, beginning December 5. The final deadline is May 5.


27. Harry S. Truman Scholarship – deadline Dec 1

The [Harry S. Truman Scholarship](http://www.generationteach.org/) provides juniors who demonstrate outstanding leadership, a commitment to the public sector and strong academic potential up to $30,000 for two-three years of graduate study. Pitt can nominate up to four candidates for this award. Ideal candidates are students with a track record of acting as change agents to positively impact society.

The deadline is Dec. 1, 2017. Details on the Harry S. Truman Scholarship 2018 is available by the visiting the [Honors College Scholarship website](http://www.generationteach.org/).

You must be a full-time student pursuing a bachelor’s degree with junior-level academic standing or have senior-level standing in your third year of college enrollment. Visit the [Truman Scholarship website](http://www.generationteach.org/) for the full list of requirements.

Questions? Email Ian Riggins at ipr5@pitt.edu or Judy Zang at jaz36@pitt.edu.

28. SMART Scholarship – deadline Dec 1

[Science, Mathematics And Research for Transformation (SMART) Scholarship for Service Program](http://www.generationteach.org/) provides full tuition and a $25,000 - $38,000 stipend (depending on degree pursuing) for academically excellent undergraduate or graduate students pursuing degrees in STEM disciplines of particular interest to the Department of Defense. Fellows are placed in civilian laboratories upon graduation.

More info & application: [https://smart.asee.org/](https://smart.asee.org/)

29. Barry M. Goldwater Scholarship – deadline Dec 4

The [Barry M. Goldwater Scholarship](http://www.generationteach.org/) provides up to $7,500 a year to high-achieving sophomores and juniors preparing for a research career in science, mathematics or engineering.

Pitt can only nominate four candidates for this award. U.S. citizenship or permanent residency required. To qualify for the Goldwater, candidates must:

- be a college sophomore or junior,
- have a competitive GPA,
- have significant scientific research experience and
- be committed to pursuing a PhD in his or her field and a career in scientific research.

To be considered for nomination, students must submit a pre-application as soon as possible. Complete applications are due by the campus deadline of Dec. 4, 2017.

Please thoroughly read the Pitt campus [Goldwater Application Guidelines](http://www.generationteach.org/) and visit the [Barry Goldwater Scholarship Foundation website](http://www.generationteach.org/) for more information.

Please email any questions to Ian Riggins at ipr5@pitt.edu or Judy Zang at jaz36@pitt.edu.
30. Science Ambassador Scholarship – deadline Dec 11
A full–tuition scholarship for a woman in science, technology, engineering, or math. Funded by Cards Against Humanity.

More info & application: http://www.scienceambassadorscholarship.org/

31. Clarkston Scholars Program – deadline Jan 15
A Clarkston Scholar is a highly-driven student who excels in the classroom, has a focused interest and passion for the life sciences industry, and intends to enter the industry upon graduation.

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 & application: https://clarkstonconsulting.com/clarkston-scholars-program/

32. Udall Scholarship – deadline Feb 5
Are you a sophomore or junior committed to environmental issues? Apply for the Udall Undergraduate Scholarship.

The award provides $7,000 to sophomores and juniors from any discipline who demonstrate a commitment to environmental issues through a combination of coursework, research, internships, jobs or extracurricular activities. Native American or Alaskan native students are also eligible for fields related to tribal health care or tribal policy.

Pitt can nominate up to eight candidates for this award. U.S. citizens, nationals and permanent residents are eligible to apply.

More info & application: https://goo.gl/G9bbAX

*** CLUBS *** CLUB***

Biology Club
Fall Meeting Dates: 11/28
Meeting Time & Location: 8pm in 302 Cathedral
www.facebook.com/groups/upittbiologyclub
upittbiologyclub@gmail.com

Birding and Ornithology Club
www.facebook.com/groups/302359673107538/
pittbirdingclub@gmail.com

Dental Science Club
Fall Meeting Dates: 12/4
Meeting Time & Location: 8pm in 528 WPU
www.facebook.com/groups/pittdentalscienceclub
IG: @pittdentalscience club
pittdentclub@gmail.com
Ecology Club
Fall Meeting Dates: Alternate Mondays
Meeting Time & Location: 9pm in 204 Cathedral
https://www.facebook.com/groups/659750684140193/
ecologyclubpitt@gmail.com

Genetic Counseling Club
Fall Meeting Dates: 11/28
Meeting Time & Location: 8pm in 310 WPU
https://www.facebook.com/groups/geneticcounselingclub/
pittgeneticcounselingclub@gmail.com

Global Brigades
Fall Meeting Dates: 12/2
Meeting Time & Location: 7pm in G8 Cathedral
https://www.facebook.com/PittGB
http://pittglobalbrigades.weebly.com/
pitt@globalbrigades.org

HOSA
Fall Meeting Dates: Alternate Mondays (Check Facebook)
https://www.facebook.com/pitthosa/
pitthosa@gmail.com

Plant2Plate
http://www.pitt.edu/~sorc/plant2plate/index.html
https://www.facebook.com/PittPlant2Plate/
plant2plate@gmail.com

POMS
Fall Meeting Dates: Every Friday
Meeting Time & Location: 5:30pm in 324 Cathedral
http://www.poms.us
https://www.facebook.com/groups/pomspitt/
pomspitt@gmail.com

Pre-PA Club
Fall Meeting Dates: 11/29 (in 837 WPU), 12/6
Meeting Time & Location: 9pm in G8 Cathedral
https://www.facebook.com/groups/523230964458833/
pittppaa@gmail.com

Pre-Vet Club
Fall Meeting Dates: 11/30
Meeting Time & Location: 9pm in Langley Lobby
https://www.facebook.com/groups/441907539257843/
pittprevet@gmail.com

Tri-Beta, Biological Honors Society
Fall Meeting Dates: 11/30
Meeting Time & Location: 7pm in 527 WPU
Until next week,

Christine Berliner  
412-624-4819  
christin@pitt.edu

Ellen Kelsey  
412-624-0421  
ellen.kelsey@pitt.edu

Jessica Wandelt  
412-624-7192  
jewandelt@pitt.edu

Kevin Wu  
412-624-4273  
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