

**Subject:** [BioAdv] 2016 Summer Research Opportunities 11/18/2015  
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**From:** BioAdv Biological Sciences (sent by BioAdvising <bioadvising-bounces@list.pitt.edu>)  
**To:** BioAdv Biological Sciences

**2016 Summer Research Opportunities – 11/18/2015**

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**What, is it really time to start thinking about summer plans?!**

**YES -- Most summer research programs' applications are due in January and February.**

**You need lead time to search and select programs, contact your reference letter writers, spruce up your resume, get transcripts and complete the application.**

**One more note - most are PAID! \$\$\$\$**

**Below you will find:**

- 1) Some example Summer Research Program in Pittsburgh**
- 2) Some example Summer Research Programs elsewhere**
- 3) Ways you can search for other Summer Research Programs**

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**1) Some example Summer Research Programs in Pittsburgh**

**Mentor/ Mentee Summer Fellowship Program (Biological Sciences)**  
<http://www.biology.pitt.edu/undergraduate/awards-and-fellowships/mentormentee>

**Brackenridge Summer Fellowship - due Mar 2**  
<http://www.honorscollege.pitt.edu/node/326>

**Summer Undergraduate Research Awards**  
<http://www.asundergrad.pitt.edu/our/awards-funding>

**School of Medicine Summer Undergraduate Research Program (SURP) - due Feb 1**  
<http://www.gradbiomed.pitt.edu/node/268>

**CNUP Summer Undergraduate Research Program - due Feb 11**  
<http://www.cnup.neurobio.pitt.edu/training/summer/index.aspx>

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**2) Some example Summer Research Programs elsewhere (Most pay for housing!)**

**Summer Research: Harvard University (Kidney Medicine) – due Dec 31**

The Harvard Summer Research Program in Kidney Medicine (HSRPKM) will offer a robust and varied introduction to the world of nephrology for the undergraduate college student who is considering a career in science or medicine. The Program will primarily be a research-based experience but will include a core curriculum that addresses the basic science and clinical fundamentals and challenges in the field. The Program will span the nephrology divisions of four Harvard-affiliated hospitals.

Program Specifics:

- 8 weeks of research (June 1- August 1), housing accommodations and \$1000 stipend
- Work with world class investigators at Harvard Medical School
- Experience how Kidney disease affects lives throughout unique clinical experiences
- Attend weekly core curriculum sessions which introduces the functions and dysfunctions of the kidney
- Present research at a national student symposium.

Eligibility Requirements:

- GPA 3.4 or higher
- Currently enrolled in undergraduate degree seeking program
- Must be a US citizen or Permanent Resident (Green Card holder)

- Must be committed to entire 8+ week program
- Research experience preferred, but not required

Visit: <http://hskp.bwh.harvard.edu/>

### **Summer Research: Purdue University College of Veterinary Medicine – due Feb 5**

The Purdue University College of Veterinary Medicine (PVM) is pleased to announce the availability of summer research opportunities for undergraduate students interested in veterinary medicine and biomedical research. The objective of this program is to provide an opportunity for undergraduate students to experience biomedical research.

Program Specifics:

- 11 weeks of research (May 16- July 29), travel/accommodation allowance of \$1000 and \$3000 stipend
- Up to six undergraduate students will be selected
- Be paired with a faculty mentor in the PVM who will work with them to design and conduct a research project on a topic related to their research in veterinary and/or comparative medicine.
- Submit a written abstract and participate in a poster session highlighting their research.

Visit: <https://www.vet.purdue.edu/veterinary-scholars/>

### **Summer Research: Cincinnati Children’s Hospital - due Feb 1**

The Summer Undergraduate Research Fellowship (SURF) Program at Cincinnati Children’s Hospital Medical Center offers undergraduates the chance to explore clinical and basic science research in laboratories in the Department of Pediatrics, University of Cincinnati College of Medicine. Students have the opportunity to work with one of more than 700 faculty members at Cincinnati Children’s Hospital Medical Center, many of whom have active research programs that cover all areas of pediatric medicine, including the study of developmental biology, congenital disorders, genetic diseases, cancer, cardiology, neurology and immunology.

Program Specifics:

- 10 weeks, housing accommodations and a stipend of approximately \$4,000
- Start the program on either May 31st or June 6th, depending on their availability and the approval of their mentor.
- Participate in various academic and social activities at the University of Cincinnati. The SURF Program includes two scientific writing classes, an ethics in research seminar, an introduction to bioinformatics and a career day.
- Present research in a poster session

Eligibility Requirements:

- Freshman, sophomore and junior undergraduates (with a 3.0 or better GPA) are eligible to apply to the SURF Program.
- Applicants must be US citizens or permanent residents and have an interest in a career in biomedical research or medicine.
- Criteria for selection include academic record, answers to essay questions and interest in obtaining research experience.

Visit: <http://www.cincinnatichildrens.org/education/research/surf/default/>

### **Summer Research: Rutgers University Department of Molecular and Developmental Neurobiology – due Feb 19**

Rutgers University is pleased to invite applications for the 2016 Summer Undergraduate Research Program (SURP) in Molecular and Developmental Neurobiology which is funded, in part, by a grant from the National Institutes of Health. Areas of research involve a broad range of topics in developmental and adult neurobiology, including studies in: gene expression and regulation; molecular genetics; ion channel, receptor and enzyme function; hormone, cytokine and growth factor actions; cytoskeletal function; membrane structure; cell fate specification; stem cell differentiation; behavior and learning. Model systems include mammalian, lower vertebrate, and invertebrate organisms.

Program Specifics:

- 10 weeks (May 31-August 5), housing accommodations and stipend
- Housing will be provided in a Rutgers dormitory with shuttle bus access to restaurants and shopping, as well New Jersey Transit train station to NYC (40min) and Philadelphia (1hr).

Eligibility Requirements:

- Applicants must be US citizens or permanent residents
- Applicants must have completed at least one year of college
- Applicants should be interested in pursuing research in their careers.
- Applicants from all schools are encouraged to apply. Special consideration will be given to minority groups that are underrepresented in the sciences, first-generation college students, or students who attend schools with limited research opportunities.

Visit: [http://rwjms.umdni.edu/departments\\_institutes/neuroscience/grad\\_pgm/summer\\_prog/](http://rwjms.umdni.edu/departments_institutes/neuroscience/grad_pgm/summer_prog/)

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**Summer Research: Duke University Marine Lab in Estuarine and Coastal Marine Sciences – due Feb 15**

The National Science Foundation funded REU program will take place at the Duke Marine Lab located on Pivers Island in coastal Carteret County of North Carolina. Pivers Island is part of the Newport River estuary and is about 2 km from the ocean via the Beaufort Inlet. Coastal and estuarine species and a variety of habitats (marshes, mudflats, sand flats, beaches, creeks, channels and coastal ocean) are readily available for research.

Program Specifics:

- 10-week program (June 6-August 12), housing accommodations, meals, and stipend and travel allowance
- Work with a faculty mentor, develop a research project, present progress and final oral reports and prepare a final written paper.

Eligibility Requirements:

- Students must be US citizens or permanent residents in the US or its territories, and be a rising sophomore, junior or senior enrolled in a baccalaureate degree program.
- Applications are encouraged from U.S. citizens belonging to groups currently underrepresented in the marine sciences (i.e., Native Americans, Alaskan Natives, African Americans, Latino/Hispanics and Pacific Islanders).

Visit: <https://nicholas.duke.edu/marinelab/reu>

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**3) Places you can look for other Summer Research Programs**

**A) Our website:** <http://biology.pitt.edu/undergraduate/research/outside-pitt>

**B) Bulletin board in the Biological Sciences Advising Office (A258 Langley Hall)**

**C) The internet. Try key terms:**

- "Summer REU"
- "SURP"
- "Undergraduate SURF"
- "summer undergraduate research"

**D) Other websites:**

- <https://goo.gl/we7qAu> (some links are outdated, just do a search key terms of the program name for updated information)
- <https://goo.gl/hvil2w> (more specific MD/PhD research opportunities)

**Look for:** Programs associated with a College, University, Medical School, or Government Agency. Be very careful about programs run by other organizations.