

Opportunities Week of 12/15/17

Merck Summer Internship: The Translational Biomarkers (TBx) Department within Merck Research Laboratories is seeking an undergraduate summer intern. The intern will function as a full-integrated member of a team working towards application of medical imaging, and/or molecular biomarker technologies to drug development. Seeking candidates with strong academic performance, communication skills, teamwork, and the ability to work in a multi-functional, multi-disciplinary environment. Potential locations include West Point, PA, Boston, MA, Rahway, NJ, South San Francisco, CA, and Kenilworth NJ. Prefer candidates who have completed at least two years of college coursework and with research experience, candidates must be pursuing a BA/BS or MS degree program.

For more information and application link, see

https://merck.taleo.net/careersection/merck_external_career_section/jobdetail.ftl?job=ADM008986

2018 Harvard Forest Summer Research Program: Harvard Forest is offering an exciting summer program for undergraduate students to collaborate with scientists conducting ecological research. This is an 11 week residential program, with a \$5,775 stipend and travel, full room and board and a meal plan. The program runs from May 21st-August 3rd, 2018.

Application deadline is Friday, February 2nd, 2018 at 9 AM.

More info and the application can be found at <http://harvardforest.fas.harvard.edu/other-tags/reu>

Undergraduate Research in Marine Sciences: Maryland Sea Grant's Research Experiences for Undergraduates in Estuarine Science is currently accepting applications. Since 1989, NSF has supported bringing students to conduct individual research projects with a scientist-mentor at either Chesapeake Biological Lab or Horn Point Lab of the University of Maryland Center for Environmental Science. This is a great opportunity to conduct research with a mentor and spend a summer by the Chesapeake Bay. This is a 12-week program: May 20th to August 12th, 2018, with a \$6,000 stipend plus housing and travel support to and from host institution.

Application deadline is February 16, 2018

More info and application can be found at <http://ww2.mdsg.umd.edu/reu/apply/index.php>

iSEED Program at University at Buffalo: The Institute for Strategic Enhancement of Educational Diversity seeks to attract talented undergraduate students, including those traditionally underrepresented in the STEM fields to enroll in summer internships, PhD and Masters programs. The iSEED Summer Research Experience program gives an excellent opportunity to network with faculty, students and staff and become prime candidates for admission into their interdisciplinary graduate and professional programs.

To learn more about the iSEED Summer Research Program, see here:

<http://www.buffalo.edu/iseed/undergraduate-students.html>

Genomics Research at Washington University in St. Louis: The Opportunities in Genomics Research at the McDonnell Genome Institute at Washington University in St. Louis is committed to increasing the number of underrepresented students who pursue PhD's in genomics and related fields. The Undergraduate Scholars 10-week summer program runs from May 20th, 2018-August 3rd, 2018

Application deadline is February 12th, 2018

For more info and to apply, see <http://genome.wustl.edu/outreach>

Maine Medical Center Research Institute Summer Program: Provides undergraduates with an opportunity to receive an educational experience in biomedical research. Students must be rising freshmen, sophomores, juniors or seniors at time of program participation, have a GPA of 3.0 or above, and be 18 by the time the program starts on June 5th. Research at MMCRI covers a broad area in biomedical science including vascular biology, stem cell biology, developmental biology, neurobiology, hematology, nephrology, tumor biology, and molecular genetics.

Application deadline is February 1st, 2018

For more info and to apply, see <http://www.mmcri.org/summerstudent/>

Undergraduate Summer Research Program in Computational Biology: The University of Pittsburgh is accepting applications for the 9th summer for their research program in computational biology (TECBio REU@Pitt). This is a 10-week summer program that will provide a challenging and fulfilling graduate-level research experience to undergrads. A wide variety of research projects are available, as well as classroom training in topics pertinent to the emerging field of computational biology. There will also be a weekly journal club, and research and career seminars. Student support includes \$5,500 stipend, housing and travel.

Application deadline is February 12th, 2018

For more info and application, see <https://tecbioreu.pitt.edu/>

Chicago Botanic Garden Conservation and Land Management Internship Program: The CLM Internship is currently seeking applicants for over 85 paid internships to assist professional staff at the Bureau of Land Management, National Park Service, US Fish and Wildlife Service, US Forest Service, and US Geological Survey. Internships are primarily located in one of 13 western states, including Alaska! Projects include collecting seed for restoration and conservation, collecting data on endangered species, performing surveys for invasive species, etc. The Internship includes a stipend totaling \$13,200 over 5 months and an all expenses-paid, week long training workshop.

For more info, see www.clminternship.org

Off Campus Summer Opportunities: Off campus internships are a great way to immerse yourself in a research experience in a new environment. A database of summer internships is available through the [Institute for Broadening Participation Pathways to Science](#) website, and a catalog of [Biomedical Research](#) opportunities is offered by the Fred Hutchinson Cancer Center.

More information on the [Pathways to Research](#) can be found on the [Undergraduate Biology website](#).

Reminder- Entering Research Workshop: The application for Undergraduate Biology's Entering Research Workshop is now open. The purpose of this workshop is to facilitate independent research opportunities for students in the life sciences. The workshop is comprised of three two-hour meetings on Monday evenings from 6:30-8:30 PM. The dates for the Spring 2018 semester are scheduled for Mondays, February 5th, February 19th, and March 5th.

Application due by Friday, January 19th

If you are interested in participating in the Spring 2018 Entering Research Workshop, please apply at https://stonybrookuniversity.co1.qualtrics.com/jfe/form/SV_9MLyURW8QkihLs9

*Disclaimer: Undergraduate Biology does not endorse or take responsibility for any off-campus programs listed in Opportunities emails. While we do our best to vet any opportunity that is shared, please let us know immediately if you are suspicious of any employers/programs.

MAINE MEDICAL CENTER RESEARCH INSTITUTE

SUMMER STUDENT RESEARCH PROGRAM

RESEARCH AREAS

- Cancer biology
- Clinical research
- Developmental biology
- Endocrine research
- Health services research
- Regenerative biology
- Skeletal biology
- Stem cell biology
- Vascular biology
- Vector-borne diseases



The MMCRI Summer Student Research Program offers undergraduates a unique opportunity to conduct research in diverse clinical and biomedical science fields during the summer months.

During the ten-week program, students participate in mentored, independent research projects either in our state-of-the-art research facility in Scarborough, or working with physicians in a hospital setting to impact patient care or the outcome of treatment.

Students also attend lectures and workshops featuring topics including bioethics, animal use in biomedical science and scientific presentation skills, as well as the opportunity to attend presentations by guest scientists and MMCRI faculty.

Summer Students become employees of Maine Medical Center and are paid at an hourly rate bi-weekly. The total amount generally works out to approximately \$4,600 for the ten week program, working 40 hours per week. Students are responsible for their own transportation and housing.

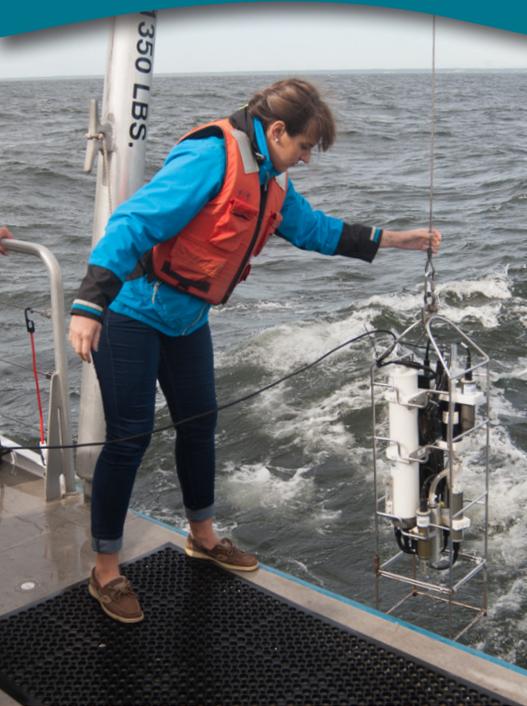
Apply Now at www.mmcri.org/summerstudent



**Application Deadline:
February 1, 2018**

RESEARCH EXPERIENCES FOR UNDERGRADUATES

Maryland Sea Grant • Summer 2018



www.mdsg.umd.edu/reu

THIS SUMMER, Maryland Sea Grant will offer fifteen undergraduates the opportunity to conduct marine research on the Chesapeake Bay. The program is especially designed for students majoring in biology, chemistry, ecology, physics, engineering, mathematics, and marine and environmental science.

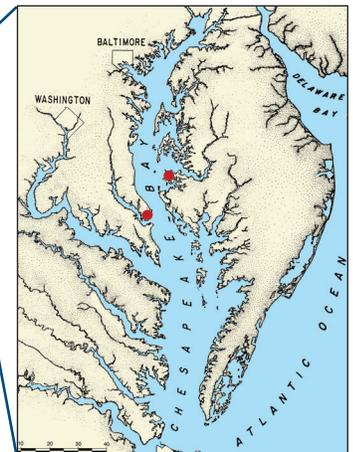
During this 12-week program (May 20–August 12), each student will work with a science mentor on an individual research project at one of two marine labs located on Chesapeake Bay: the University of Maryland Center for Environmental Science’s* (UMCES) Chesapeake Biological Laboratory in Solomons, Maryland, or Horn Point Laboratory in Cambridge, Maryland.

Research areas include:

- benthic environment
- climate change
- environmental chemistry
- environmental contaminants
- estuarine processes
- fisheries
- modeling and analysis
- molecular biology and genetics
- physical oceanography

The Maryland Sea Grant Program, with support from the National Science Foundation, will provide each fellow with a stipend of \$6,000, housing costs and round-trip travel expenses.

To apply, visit the REU website listed above to complete the online application form or contact Maryland Sea Grant at 301-405-7500. The deadline for receipt of applications is February 16, 2018.



VISIT THE REU WEBSITE to learn about past programs, ongoing research by faculty who work with REU students, and to apply online starting in December 2017.

*UMCES labs (red dots) are located on the Maryland portion of the Bay, with HPL on the eastern shore and CBL on the western.



Student orientation includes a science cruise on the Bay and up the Patuxent River aboard the UMCES research vessel *Rachel Carson*.

REU Summer Fellowships are supported by the National Science Foundation

2018 fellowships are contingent on funding from the National Science Foundation.

HARVARD FOREST

HARVARD UNIVERSITY

SUMMER RESEARCH PROGRAM



Explore

Harvard's 3,700-acre outdoor laboratory & classroom in Petersham, Massachusetts.

May 21 to August 3, 2018

A summer of mentored research in

Forest Ecosystems & Disturbances

Wildlife Dynamics & Invasive Species

Computer Science Solutions for Big Data

Agricultural Grazing and Plant Communities

Atmospheric Chemistry of Forest Canopies

Community Dynamics & Global Climate Change

11 weeks residential program

\$5775 stipend and travel

Full room & board and meal plan



Apply online (by Feb. 2) at

<http://harvardforest.fas.harvard.edu/other-tags/reu>

Questions? Contact Manisha Patel, Summer Program Coordinator: manishapatel@fas.harvard.edu, 978-756-6148



We are writing on behalf of the [Institute for Strategic Enhancement of Educational Diversity](#) (iSEED). The primary goal of the Institute is attracting exceptionally talented undergraduate students, including those traditionally underrepresented in the STEM fields to enroll in summer internships, PhD and Master programs and professional careers at UB.

Please encourage your talented students to apply to our [iSEED Summer Research Experience](#) program, an excellent opportunity to network with our faculty, students and staff and become prime candidates for admission into our interdisciplinary graduate and professional programs.

iSEED Summer Research Experience

Learn more about the iSEED Summer Program here: <http://www.buffalo.edu/iseed/undergraduate-students.html>. The **application** for Summer Research is available online now, through February 1st, 2018. If you know students looking for summer research experience, please encourage them to apply here: <http://www.buffalo.edu/iseed/undergraduate-students/how-to-apply.html>.

iSEED Graduate Programs

The iSEED participating schools offer PhD and MS degrees in the STEM fields. iSEED also offers professional development workshops for PhD students to assure successful graduate and professional careers. Learn more about the iSEED Graduate Scholars program here: <http://www.buffalo.edu/iseed/phd-students.html>. For more information about graduate programs, visit the school website listed below.

iSEED Participating Schools

[Note professional degrees]

- [College of Arts and Sciences](#)
- [School of Dental Medicine](#) (DDS)
- [School of Engineering and Applied Sciences](#)
- [School of Medicine and Biomedical Sciences](#) (MD, MD/PhD)

- [School of Nursing](#) (DNP)
- [School of Pharmacy and Pharmaceutical Sciences](#) (PharmD)
- [School of Public Health and Health Professions](#) (MPH/MD)