ACS Chemistry for Life: Chemical and Material Science Related Disciplines

Program Overview:
- Spend 10 summer weeks working on a research project in an international host laboratory from late May to early August
- Competitive – 17 guaranteed scholarships available
- Generous award – up to $10,000 for air travel, living expenses, insurance, pre-departure orientation, language instruction, and presenting at an ACS National meeting

Benefits:
- Sharpen research skills
- Develop global scientific perspective & establish international collaborations
- Gain exposure to a different culture & language
- Participate in research projects of high current interest and potential for publication

Requirements:
- One semester or summer of prior research experience
- GPA of at least 3.2
- Enrolled full-time in materials science, chemistry, biochemistry, or chemical engineering
- Rising junior or rising senior at the end of the program
- U.S. citizenship or permanent U.S. residency

Application Deadline: January 25, 2016

More information: www.acs.org/ireu or write to ireu@acs.org

Air Force Research Laboratory (AFRL) Scholars Program

The Air Force Research Laboratory (AFRL) Scholars Program offers stipend-paid summer internship opportunities to undergraduate and graduate level university students pursuing STEM degrees. The selected interns gain valuable hands-on experiences working with full-time AFRL scientists and engineers on cutting-edge research and technology and are able to contribute to unique, research-based projects. Graduate interns are able to collaborate with AFRL on current research and incorporate the research into their graduate work. Applicants must be US citizens to apply.

Application Deadline: January 19th, 2016

More information: http://afrlscholars.usra.edu/.

Albert Einstein College of Medicine

SURP students arrive at Einstein in mid-June for a nine-week research laboratory work experience. Students are matched to a laboratory in the area of interest they indicate on their application. At the end of the program, students present their research in a poster session.

The SURP summer internship experience includes:
2016 National Summer Research Opportunities in STEM

- free housing in the student residence complex on the Einstein campus
- $3,000 stipend
- up to $500 in transportation assistance (for students who live outside the New York City metropolitan area only; international travel cannot be reimbursed)

**Eligibility:**
- A strong background in the sciences (biology, biochemistry, chemistry, physics, bioengineering or chemical engineering, etc.).
- Undergraduate students who are completing their junior year (In rare instances, sophomores with strong science and/or research backgrounds may be considered. Freshmen and seniors will not be considered.)
- U.S. citizenship or permanent residency.

**Application Deadline:** February 1, 2016

More information: [http://www.einstein.yu.edu/education/phd/the-summer-undergrad-research-program.aspx](http://www.einstein.yu.edu/education/phd/the-summer-undergrad-research-program.aspx)

**American Association of Anatomists (AAA) Anatomy Training Program**
The Anatomy Training Program (co-sponsored by AAA & The Anatomical Society) is designed to help you in all aspects of your professional development, by integrating anatomy training and pedagogical skills with your biomedical research program. (Alternatively, a faculty candidate who served his/her institution in other ways acceptable to that institution would not need a biomedical research program.)

By individualizing your anatomy training, you’ll be able to fit it in to the ebb and flow of your biomedical research. You may train in each of four modules or choose only the ones that fit your career plans. The centralized online resource and course syllabus allow you to work with a mentor at your home institution at your own pace. Mentors and trainees then gather for a one-week intensive summer course in England to solidify the concepts developed at home and qualify for a certificate of training.

**Application Deadline:** March 1, 2016


**American Society for Microbiology**
The ASM Undergraduate Research Capstone Program (UR-Capstone) is the successor program to the ASM-Microbiology Undergraduate Research Fellowship Program, formerly the Minority Undergraduate Research Fellowship program from several years ago.

The goal of this program is to “fulfill the later stages of undergraduate professional development” for underrepresented minority students (URM). This program seeks to enhance the presentation skills of students after their research experiences. The ASM Undergraduate Research Capstone Program (UR-Capstone) will focus on enhancing presentations and networking skills, and provide students with resources to transition to disciplinary scientific meetings.
Prospective applicants must have conducted research in microbiology prior to applying to the UR-Capstone.

**Eligibility:**
- Be U.S. citizen or Permanent U.S. resident
- Be enrolled as full-time matriculating undergraduate student during the 2014-2015 academic years. (Freshmen with college level research experience, sophomores, juniors, or seniors who will not graduate before December 2014)
- Be from an underrepresented minority group (groups include African-Americans, Hispanics, Native Americans, Alaskan Natives, and Pacific Islanders), a community college, a minority serving institution, a first generation college student or non-traditional student
- Have conducted research in the microbiological sciences at a U.S institution (host mentor is not required to be an ASM member, but recommended)
- Have a strong interest in obtaining a research career and post-graduate training in research within the microbiological sciences
- Be accepted to present a poster or oral presentation at the 2015 ASM General Meeting

**Application Deadline:** January 20th, 2016


**American Society for Microbiology**

The ASM Undergraduate Research Fellowship (URF) is aimed at highly competitive students who wish to pursue graduate careers (Ph.D. or MD/Ph.D) in microbiology. Students will have the opportunity to conduct full time research at their home institutions with an ASM member and present research results at ASM Microbe the following year.

Students will:
- Conduct a research project for a minimum of 10 weeks beginning in the summer of 2016
- Work with faculty mentors who are ASM members and who are employed at the students home institutions, and
- Submit a research abstract for presentation at the 2017 Microbe Meeting. *(Should the opportunity to present research at the Microbe Meeting conflict with graduation, then applicants should contact ASM).*

**Eligibility**

*Applicants who do not meet all eligibility requirements will not be considered.*

Eligible student candidates for the fellowship must:
- Be an ASM member,
- Be a U.S. Citizen or permanent resident,
- Be enrolled as full-time matriculating undergraduate students during the 2016-2017 academic year at an accredited U.S. Institution,
- Be involved in a research project,
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- Have an ASM member at their home institutions willing to serve as a mentor, and
- Not receive financial support for research (i.e., Council for Undergraduate Research, Minority Access to Research Careers, Sigma Xi) during the fellowship.

Application Deadline: February 1, 2016


Amgen Scholars U.S. Program

Entering its ninth year, the Amgen-UROP Scholars Program invites undergraduates to participate in faculty-mentored summer research at MIT in the science and biotechnology areas.

Students admitted to this program (known as “Amgen Scholars”) will have opportunities to conduct research, analyze data, present research results, network with other undergraduates with similar research interests, and develop working relationships with MIT faculty mentors and other research staff.

Participation has many benefits. Amgen Scholars learn how to collaborate effectively in research settings while investigating areas of research interest within a specific discipline and gaining practical skills and knowledge for both graduate study and post-graduation careers. Participants become fully integrated in MIT’s summer research community, interacting with faculty mentors and fellow undergraduates while participating in research seminars and other networking events. Most importantly, Amgen Scholars become involved in exciting research and contribute to the advancement of science in an area of interest.

Eligibility
- Enrollment in four-year colleges and universities (including MIT) in the U.S., Puerto Rico, and other U.S. Territories
- U.S. citizenship or U.S. permanent residency
- Sophomore status (with 4 quarters or 3 semesters of college experience), juniors, and non-graduating seniors who plan to continue undergraduate studies in Fall 2016.
- Cumulative GPA of 3.2 or above (based on a 4.0 scale)
- Interest in pursuing graduate school, including a PhD or MD-PhD

Application Deadline: Monday, February 1, 2016


Applications Wanted: Summer 2016 Undergraduate Internships

Argonne National Laboratory is seeking highly motivated and energetic undergraduate students for the 2016 summer internship and part-time work experience programs!

Over the years, Argonne has supported thousands of students in their explorations of STEM research careers; provided access to cutting-edge research facilities and fostered relationships with
world-class scientists all within 30 miles of the third largest city in the country. We are looking to grow our summer 2016 cohort of students.

For more information:  http://www.anl.gov/education/undergraduates/internship-opportunities

**Biomedical Engineering Summer Internship Program (BESIP)**
The NIBIB sponsored Biomedical Engineering Summer Internship (BESIP) is for undergraduate biomedical engineering students who have completed their junior year of college. The 10 week program, under the guidance of Dr. Robert Lutz, BESIP Program Director, is scheduled from June 6, 2016 to August 12, 2016. The internship will allow rising senior bioengineering students to participate in cutting edge biomedical research projects under the mentorship of world-class scientists in NIH laboratories in Bethesda, MD.

**Eligibility**
- Applicant must have completed at least three years (6 semesters or 9 quarters) of undergraduate study in a Biomedical Engineering or Bioengineering degree program by the start of the 2016 summer.
- Applicant must plan to be returning to undergraduate school for at least one term following the summer BESIP program.
- Applicant must be a United States citizen or permanent resident attending college in the U.S.
- Because of housing arrangements, the structure of the program, the orientation procedures and the planned group activities, the student must be present on the Bethesda campus to participate in the entire ten-week program between June 6 and August 12, 2016.

**Application Deadline:** February 9, 2016

More information:  http://www.nibib.nih.gov/training-careers/undergraduate-graduate/biomedical-engineering-summer-internship-program-besip

**Biomedical Research Training Program for Individuals from Underrepresented Groups**
The National Heart, Lung, and Blood Institute has established a Biomedical Research Training Program for Individuals of Underrepresented Groups (BRTPUG) that offers unparalleled opportunities for post baccalaureate individuals to receive training in fundamental biomedical sciences. The purpose of the BRTPUG is to enhance career opportunities in biomedical sciences for post baccalaureate individuals who are planning to apply to graduate or professional school. The research training will take place in NHLBI intramural program in Bethesda, Maryland.

For Post-Baccalaureate individuals, 1-2 year research internships begin in June-September of the calendar year. A complete application package including three letters of reference (at least one must be from a research mentor) must be submitted by January 15.

**Application Deadline:** January 25, 2016


**Bridge to the Doctorate at Vanderbilt: Announcement and Pre-application**
Pending NSF approval, Vanderbilt University will host 12 students for the next LSAMP Bridge to the Doctorate Program beginning in Fall 2015. Students will benefit from customized curriculum, research training, and one-on-one mentoring to prepare them for a successful transition to the PhD. Students who submit a pre-application by the deadline will be personally contacted and invited to submit a full application by the March 15 deadline. Vanderbilt offers a full range of doctoral programs in engineering and science fields. We are an institution devoted to the highest standards of doctoral education and research, and we are committed to the goals of the LSAMP and the Bridge to the Doctorate, as detailed in these two recent Nature articles describing our innovative admissions and mentoring methods: http://www.vanderbilt.edu/gradschool/bridge/Nature_FVBridge_Grit.pdf

Application Deadline (Pre-application): INFORMATION NOT UPDATED

More Information: http://vu.edu/b2d

Case Western Reserve University Summer Undergraduate Research Programs

Academic Careers in Engineering & Science (ACES+)
10 weeks hands-on research in areas such as biology, chemistry, organic chemistry, and physics, social events, weekly seminars. Stipend: $3,500, Housing: provided; travel allowance provided.

Eligibility: Diverse Undergraduates.

Application Deadline: January 15, 2016

More information: http://www.case.edu/admin/aces/summerresearch.html or contact Jennifer Jackson, cj42@case.edu

Department of Nutrition, Summer Undergraduate Research Fellowships
The Summer Undergraduate Research Fellowship (SURF) Program at UT Southwestern's Graduate School of Biomedical Sciences is an intensive summer research training experience designed for college students who are preparing for Ph.D. or M.D./Ph.D. careers in biomedical research. Fellows spend 10 weeks (beginning in early June and ending mid-August) pursuing individual research projects in the laboratories of Graduate School faculty members.

Eligibility: Applicants must be enrolled in an undergraduate science degree program and have completed their sophomore year. Applicants must also be U.S. citizens or possess an F1 visa.

Application Deadline: February 9, 2016

More information: http://www.utsouthwestern.edu/education/graduate-school/programs/non-degree-programs/surf.html

Heart, Lung and Blood Minority Research Training Program (NHLBI)
The Heart, Lung and Blood Summer Research Program is designed to engage 12 diverse undergraduates and 8 medical students in state-of-the art biomedical research in cardiovascular, pulmonary, hematological and sleep disorders research.

Program dates: May 26- July 31, 2015

Stipend: $1750 per month, up to $500 in travel expenses, and some support toward housing.

Other Program Activities:
- Weekly seminars on state of the art in cardiovascular research.
- Weekly seminars providing advice on applying to medical school/graduate school/networking/presentation skills/library research/networking
- Social activities

Application Deadline:
Undergraduate Students – February 16, 2015
Medical Students – March 2, 2015

More information: http://casemed.case.edu/gradprog/summer.cfm

Program Contacts:
Monica Montano, PhD- Director (monica.montano@case.edu)
Joseph Williams, MPA – Coordinator (jxw26@case.edu)
Malana Bey, HLB Program Administrator (216-368-5655, malana.bey@case.edu)

Minority HIV Research Training Program (CWRU Center for AIDS Research)
8-10 week experience in HIV/AIDS research, poster session (through SPUR). Stipend: $3,500. Housing: Up to $1000 travel allowance available

Eligibility: Diverse Undergraduates, recent college grads.

Application Deadline: Februry 11, 2016

More information: http://casemed.case.edu/cfar/

Contact: Karen Fisbaugh-Cummings, kxf111@case.edu, 216-368-0271

Pediatrics Program in Summer Undergraduate Research
10 weeks full time research on biomedical and psychosocial research relating to pediatric disorders, weekly project meetings. Stipend: contact program manager.

Eligibility: Sophomores and above

Application Deadline: March 1, 2016

More information: https://casemed.case.edu/gradprog/resources/SummerResearchOnePager.pdf
More information: contact Connie May, conniemay@case.edu

**SMDEP: Summer Medical & Dental Education Program (RWJ)**

Since 1989, the Case Western Reserve University School of Medicine (CWRU) has conducted a six-week summer enrollment program designed to assist capable and highly motivated minority students in preparing for a career in medicine and in dentistry. The free Case Summer Medical Dental Education Program (SMDEP) is designed to enrich students who are completing their freshman or sophomore year of college and are considering professional careers in medicine and dentistry. SMDEP targets students from communities that are historically underrepresented in medicine and dentistry: African Americans, Latinos, Native Americans, and others who are economically disadvantaged. All are welcome to apply.

SMDEP is a free six-week summer program, offering eligible students intensive and personalized medical and dental school preparation. In addition, students get a look at their future in either field by shadowing physicians and dentists in their clinical environment at a busy teaching hospital. A well established and well respected academic enrichment program, SMDEP is offered at eleven other sites around the country.

**Application Deadline:** March 1, 2016

More information: [http://casemed.case.edu/omp/SMDEP/](http://casemed.case.edu/omp/SMDEP/)

Contact: Felicite Chatel-Katz, SMDEP Coordinator, smdep@case.edu, 216-368-1914

**Summer Undergraduate Research in Pharmacology (ASPET)**

10 weeks, May August, full time research and seminars in molecular pharmacology. Stipend: $3,000 Housing: Lodging, travel funds, and an allotment for food will be provided

**Eligibility:** Sophomores, Juniors

**Application Deadline:** January 31, 2016

More information: [http://pharmacology.case.edu/education/surp.aspx](http://pharmacology.case.edu/education/surp.aspx)

Contact: Ruth Siegel, PhD, ruth.siegel@case.edu

**Center for Coastal Margin Observation & Prediction (CMOP)**

CMOP's summer undergraduate internship program offers college students the opportunity to work side-by-side with scientists performing research in coastal margin science.

CMOP offers paid undergraduate internships headquartered at Oregon Health & Science University’s west campus in Beaverton, Oregon. Interns receive a stipend of $4,600 and out-of-state students may be eligible for additional housing support at a local apartment complex.
CMOP interns engage in leading-edge research to understand and predict biological, chemical and physical processes of the river-to-ocean ecosystem, contributing data and analysis that provide guidance for sustainable ecosystem management.

Interns work closely with senior scientists, post-doctoral fellows, and graduate students on interdisciplinary projects ranging from physical and biogeochemical oceanography, molecular biology, analytical chemistry, marine genomics, ocean engineering, and computer science. Students participate in a range of activities including oceanographic research cruises, field trips, and a range of seminars on scientific themes, career opportunities and scientific ethics.

**Eligibility**
CMOP considers applications from undergraduate freshmen, sophomores, juniors, and seniors with backgrounds and majors in biology, chemistry, computer science, engineering, environmental science, mathematics, physics, and others. Prior lab/field experience is of interest but not required. Our past interns have come from a wide range of geographic and academic backgrounds, and have worked collaboratively in several innovative projects.

**Application Deadline:** February 28, 2015 Date not updated

More information: [http://www.stccmop.org/education/undergraduate](http://www.stccmop.org/education/undergraduate)

**Centers for Disease Control and Prevention (CDC)**
The Centers for Disease Control and Prevention (CDC), National Center for Environmental Health (NCEH), Division of Laboratory Sciences (DLS), is seeking Summer ORISE Fellows to focus on public health issues related to the environment. Candidates will join projects associated with developing and applying new methods to characterize and quantitate biochemical markers that are relevant in environmental exposures and chronic diseases. The fellowship carries a stipend of approximately $2,700 per month for full-time undergraduate student fellows and $3,300 for full-time graduate student fellows.

**Eligibility**
Current undergraduate and graduate students majoring in chemistry or biology and who have completed or expect to complete three years of coursework in chemistry or biology before the start of the fellowship may apply. They must also be able to comply with safety and security requirements before or upon reporting to CDC.

**Application Deadline:** NO UPDATED INFORMATION

More information: [http://orise.orau.gov/cdc](http://orise.orau.gov/cdc)

**Center for Energy Efficient Electronics Science (E3S)**
Program length : 9 weeks (June 8 - August 9)
- 9-weeks of research experience
- Hands-on research guided by faculty mentors and graduate students
- Graduate school advising and subsidized GRE prep course
Guest speakers, lab tours, and field trips
$4,000 stipend plus room and board
Travel allowance (up to $600)

Eligibility
- Must be a United States citizen or permanent resident to apply. *International students are NOT eligible for this program.*
- Sophomores, juniors, and non-graduating seniors enrolled in four year colleges and universities in the United States
- Engineering and Physical Science majors
- 3.25 grade point average or higher
- No prior research experience required

Students who are first in their family to go to college, come from low-income backgrounds, are from underserved communities, and/or are women and/or veterans are encouraged to apply.

Application Deadline: Friday, January 29, 2016 at 11:59 PM Pacific Time
- All applications, including letters of recommendations, resume and transcripts, must be received by January 29, 2016.
- Late and incomplete applications will not be reviewed.
- Notification of decisions is expected to be sent in mid-March.


**Center for Remote Sensing of Ice Sheets (CRESIS)**
This summer internship provides the opportunity for undergraduate students to conduct research on topics of global significance. Students work closely with faculty advisors and other student researchers.

If selected, students will receive:
- $3600 Stipend
- On-campus room and board
- Tuition for one hour of college credit
- Transportation costs from their home to campus

Application Deadline: **NO UPDATED INFORMATION**


**Center for Translational and Basic Research (CTBR) Summer Program for Undergraduate Research**
The CTBR’s Summer Program for Undergraduate Research (SPUR) is an 8-week program that gives undergraduates hands-on experience in one of 53 research laboratories at Hunter College, CUNY in NYC. Our goal is to train and encourage undergraduate students to pursue graduate study in biomedical research, and in drug abuse/addiction and neuroscience.

**Eligibility:**
- Be US citizens or permanent residents
- Be a current college student
- Have a GPA of at least 3.0
- Be a major in biology, chemistry, biopsychology, biophysics or biotechnology, or another biomedical research area
- Have completed at least one year of coursework in their major prior to joining SPUR

Members of minority groups underrepresented in science such as African Americans, Latinos, or Native Americans are especially encouraged to apply.

**Application Deadline:** February 1, 2016

More information: [http://ctbr.hunter.cuny.edu/content/about-spur](http://ctbr.hunter.cuny.edu/content/about-spur)

**CIC SROP Committee on Institutional Cooperation Summer Research Opportunities Program**

The Summer Research Opportunities Program (SROP) is a gateway to graduate education at CIC universities. The goal of the program is to increase the number of underrepresented students who pursue graduate study and research careers. SROP helps prepare undergraduates for graduate study through intensive research experiences with faculty mentors and enrichment activities.

Now in its 27th year, SROP celebrates the achievements of its alumni. To date, 571 program alumni have earned a Ph.D. degree and are now preparing the next generation of SROP scholars as mentors and teachers. Thousands of others have completed graduate training and are pursuing successful careers in government, business and non-profit agencies.

- Study in your field of choice
- All-expenses paid plus stipend
- Housing and transportation included
- Top faculty-mentored research experience
- Enrichment workshops and opportunities
- Participation in academic research conference

**Eligibility**
Please note: The SROP program is not for students pursuing professional degrees such as law, medical, and MBA degrees. Students who have completed an undergraduate degree are not eligible.

Students wishing to participate in SROP must meet all of the following criteria:
• Have a cumulative GPA of 3.0 or higher (4.0 scale)
• Be a citizen or a permanent resident of the U.S.
• Be enrolled in a degree-granting program at a college or university in the United States, Puerto Rico, or other U.S. territory
• Have completed at least two semesters of undergraduate education by the time of the summer experience
• Have at least one semester of undergraduate education remaining after completing the summer research experience
• Have a strong interest in pursuing a Ph.D.

Selected participants will be expected to complete 40 hours of research each week. Participants must be willing to devote full-time to the program during the eight- to 10-week session. Due to the intense research schedule, SROP participants are not allowed to work an additional job during the summer program.

Application Deadline: February 10, 2016
The CIC SROP application allows you to apply to a variety of widely-recognized summer research programs at participating CIC institutions using a single application. One of the benefits of using the CIC SROP application is that you only need to send one transcript to a central location and your faculty recommenders will only be required to submit one online letter of recommendation. Upon completion, your application will be viewable by faculty from nine top research universities.

More information: [http://www.cic.net/students/srop/introduction](http://www.cic.net/students/srop/introduction)

**Cincinnati Children’s Hospital (CCHMC SURF)**
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. The primary goal is to provide students with a foundation for making career choices in the biomedical sciences. 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.

The program is 10 weeks long and students are paid a stipend of approximately $4,000. Students can start the program on either May 31st or June 6th, depending on their availability and the approval of their mentor. In addition to hands-on laboratory experience, students participate in various academic and social activities with students from other summer programs 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. At the end of the summer, students present their research in a poster session, and a lecture is presented by a distinguished keynote speaker.

**Eligibility**
Freshman, sophomore and junior undergraduates and outstanding high school students in their junior or senior year (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.

Applicants are encouraged to specify their areas of research interest and/or specific mentors they wish to work with. This will allow us to better match students with appropriate mentors.

Application Deadline: February 1, 2016, 5:00PM EST

More information: http://www.cincinnatichildrens.org/education/research/surf/default/

Contact: Karen Steffen, Program Coordinator; Karen.Steffen@cchmc.org
    Sherry Thronton, PhD, Director; Sherry.Thornton@cchmc.org

**Columbia University Medical Center – Summer Medical and Dental Education Program (SMDEP)**

Established by the Robert Wood Johnson Foundation (RWJF), SMDEP is a free six-week residential program for first and second year college students interested in medicine and dentistry. This program follows the former MMEP and SMEP programs.

Hosted at 12 institutions across the nation, the program aims to assist students who represent economic, geographic, cultural, racial, and ethnic diversity in their pursuit of gaining admission to both medical and dental school.

As health care disparities continue to persist, SMDEP is committed to developing a diverse medical and dental workforce as they will be well-suited to address such gaps.

**Eligibility**

To be eligible students must:

- Be a Freshman or Sophomore college student OR a community college student
- Be from an economically disadvantaged background; a racial or ethnic group that has been historically underrepresented in medicine and dentistry; or a part of the country where residents have been historically underrepresented in medicine and dentistry
- Be a US citizen or have Permanent Residency Status
- Have an overall 2.5 GPA

**Application**

In order to apply to the SMDEP program at Columbia University, go to www.smdep.org. Make sure to choose Columbia University as one of the sites when prompted.

All applications go through the national website and are then funneled to individual sites. If you have questions about the application, contact the SMDEP National site directly. If you have questions about the SMDEP program at Columbia University, contact the SMDEP Program Coordinator at smdep-ps@columbia.edu.

**Program dates for Summer 2016:** Friday, June 17 - Friday, July 29
Materials Research Center Research Experiences for Undergraduates (REU)
The joint Materials Research Center program at Columbia University and City College of NY (CCNY) will support outstanding undergraduates as Summer Research Fellows each year. In addition, a joint REU program between Columbia and the City University of New York’s Advanced Science Research Center (ASRC) may have additional openings. Those selected will have an opportunity to participate fully in an interdisciplinary research program that draws faculty from the Departments of Physics, Chemistry, Applied Physics, Chemical Engineering, Mechanical Engineering, Materials Engineering, and Electrical Engineering, nearby government laboratories (Brookhaven National Laboratory), and industry (IBM).

Our materials research program encompasses two research thrusts around the theme of building higher dimensional materials from lower dimensional structures with unprecedented levels of control. The first thrust combines two-dimensional layered materials such as graphene into layered heterostructures; the second combines molecular ‘superatoms’ into three-dimensional solids. Both thrusts are built around techniques pioneered by the team, and bring together researchers with diverse capabilities, strong accomplishments, and a record of collaboration. Additional Summer Research Fellows in related areas will also be available.

During the program, all REU students will also be involved in workshops, visits to local industry, recreational activities, a symposium of presentations by students, and other activities. It will include training in: laboratory practices and safety; shared materials characterization tools; and scientific writing/presentations. Students attend a weekly research seminar series by Columbia, CCNY and ASRC faculty, and present results at a daylong symposium at the end of the program.

Summer 2016 research areas available: 2D material interfaces and heterostructures | Correlated materials and superconductivity | Fabrication and characterization of nanoelectronic and nanophotonic devices | Magnetic materials | Materials theory | Molecular cluster synthesis | Nanoassembly | Optical characterization & devices | Self-assembling materials | Thermoelectric materials

Eligibility: Prospective REU participants must complete the online application; upload all college transcripts as well as two letters of recommendation. No prior research experience is required. Students must be entering their sophomore, junior, or senior years of college – no graduating seniors, please!

Application Deadline: February 15, 2016

More information: http://mrsec.columbia.edu/reu
field of interest through weekly luncheons.

Undergraduate students, interested in gaining a deeper understanding in an engineering-related field, have the opportunity to conduct and present research over a ten-week duration under the auspices of a Cornell Engineering faculty research mentor. Through this one-on-one partnership, participants will gain theoretical knowledge and practical training in academic research and scientific experimentation. CU LSAMP REU was developed to aid in the retention of traditionally underrepresented students in STEM fields.

**CU LSAMP REU offers participants:**

- Approximately 10 weeks of research (June 12- August 12, 2016)
- A research stipend of $4,000
- A round-trip travel stipend up to $300 for students living outside of Ithaca, NY
- A double room in a residential hall
- A campus bus pass or a campus parking pass
- Access to state-of-the-art laboratories, libraries, computer/study lounges, etc.

Further, CU LSAMP REU participants have the opportunity to:

- Develop a meaningful research agenda and conduct research with a faculty research mentor
- Present a scientific research talk
- Design a research poster and discuss their poster presentation of their research at a symposium on campus
- Submit a written report at the end of the summer research activity that may lead to a publication

**Application Deadline:** February 15, 2016

**For More Information:** [http://culsampreu.weebly.com/](http://culsampreu.weebly.com/)

**Delaware State University OSCAR Program**

The OSCAR Summer research program is an 8 week program where students are mentored by faculty researchers from Physics and Engineering, Mathematics, Computer Science and Information Technology and Chemistry. During the 8 week program students will conduct research in various OSCAR laboratories and present that research at the Annual Delaware State University Summer Research Symposium. Participants in our summer program are able to conduct research in the following areas: Applied Mathematics, Applied Chemistry, Applied Spectroscopy, Data Mining, Space Exploration, and Space Navigation Participants receive a stipend.

**Eligibility:**

- Majors: Physics, Engineering, Mathematics, Computer Science, Information Technology, or Chemistry
- Rising 2nd -4th year college student
- 3.0 G.P. A. or higher
• U. S. citizen or permanent resident

Application Deadline: NO UPDATED INFORMATION

More Information: http://oscar.desu.edu/programs/summer_programs.html

**DESRE (Disparities Elimination Summer Research Experience)**

DESRE is the Disparities Elimination Summer Research Experience, a comprehensive research-training program. Participants in DESRE spend 6 weeks in Southeast Georgia immersed in full-time rural health disparities elimination research and training, with the goal of providing students interested in health sciences the opportunity to:

1. Engage in cutting-edge rural health disparities research
2. Receive training in the unique factors associated with addressing health disparities concerns

The DESRE program is open to both UNDERGRADUATE and GRADUATE students.

**Interns Receive**

- Mentoring, training, research experience, and a deeper understanding of health disparities
- Round-trip transportation
- 3 hours of course credit*
- Housing in a Georgia Southern residence hall for the duration of the program at no cost
- Compensation ($3500 for undergraduates; $4000 for graduate students)

*Please note: interns are responsible for meals, personal items, and 3 hours of tuition/fees at the in-state rate.

Application Deadline: January 15, 2016

More Information: http://class.georgiasouthern.edu/rhri/desre/about-desre/

**Duke University**

**Center for the Environmental Implications of NanoTechnology REU**

The Center for the Environmental Implications of NanoTechnology (CEINT) hosts a center-wide Research Experience for Undergraduates Program (REU) funded by the National Science Foundation. This REU program provides research experiences across four CEINT partner institutions: Duke, Virginia Tech and Carnegie Mellon Universities as well as the European Center for Research and Education in Geosciences and the Environment (CEREGE) in Aix-en-Provence, France.

This 10 week summer REU program offers participating students opportunities to engage in their own original research projects with a focus on the environmental impacts of nanotechnology. This program is uniquely designed to guide undergraduate students toward independent interdisciplinary
research in academic fields related to nano-science and engineering. These include biomedical engineering, materials science, biology, chemistry, ecotoxicology, geosciences, and civil & environmental engineering.

Eligibility
This internship is open to undergraduates who are majoring in engineering, chemistry, biology, physics, ecotoxicology or other fields related to nano-science and engineering. Applicants must also be either citizens or permanent residents of the US or its territories.

Application Deadline: February 28th, 2016 at 8PM EST

More information: http://ceint.duke.edu/reu

Civil and Environmental Engineering REU Will update site late 2015
Each summer, the Department of Civil and Environmental Engineering at Duke University hosts undergraduate students from around the country in our research laboratories. These students work with a faculty member and their research group to tackle an innovative research project. Students admitted to the program receive a competitive award that provides a monthly research stipend.

Eligibility
All applicants must be United States citizens or permanent residents. The program is designed for student who are juniors during the internship period, but exceptional sophomores will also be considered. Students do not have to be majoring in civil and environmental engineering.

Application Deadline: January 31, 2016

More information: http://www.cee.duke.edu/reu

Electrical and Computer Engineering REU Will update site later
The Department of Electrical and Computer Engineering at Duke University hosts undergraduate students from around the world in their research laboratories in the summer. These students will work with a faculty member and their research group to tackle an innovative research project. Students admitted to the program receive a competitive monthly research stipend as well as arranged on-campus housing and a travel allowance.

Eligibility
Domestic and international students are invited to apply. The program is designed for students who are juniors in Spring 2015, but exceptional sophomores will also be considered. Students should be majoring in ECE or a related discipline relevant to their area of research interest.

Application Deadline: February 1, 2016

More information: http://www.ece.duke.edu/reu

Marine Lab
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 invertebrate species and a variety of habitats (marshes, mudflats, sand flats, beaches, creeks, channels and coastal ocean) are readily available for research.

**Eligibility**
Students must be U.S. citizens or permanent residents in the U.S. 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).

**Application Deadline:** February 15, 2016


**Materials Research Science and Engineering Center**
The Triangle MRSEC focuses on studying programmed assembly of soft matter, inventing materials that have never before existed and creating new ways to use those materials. Join our collaborative and interdisciplinary center for an exciting Research Experience for Undergraduates (REU) program. Outstanding undergraduates will participate in a nine-week summer program designed to provide unique research experiences, professional development opportunities, and increased awareness of materials science and engineering. Each student will participate in an innovative research project that probes fundamental aspects of experimental and/or theoretical soft matter science under the guidance of a faculty and a graduate student mentor. Each REU project is designed to involve the student in all aspects of research, from project planning and experimental design to data analysis and presentation. Triangle MRSEC REU students have access to state-of-the-art facilities and resources at Duke and NCSU, participate in several professional development and networking activities, and conduct research in a highly collaborative and interdisciplinary environment.

**Eligibility**
All applicants must be United States citizens or permanent residents and have health insurance coverage. Students entering their junior or senior year will be given preference, but exceptional entering sophomores will be considered.

**Application Deadline:** January 1, 2016

More information: [http://mrsec.duke.edu/reu](http://mrsec.duke.edu/reu)

**Mechanical Engineering and Material Sciences REU**
The Department of Mechanical Engineering and Materials Science at Duke University will provide a research experience for undergraduate students (REU) and host undergraduates from around the country in its research laboratories. The REU students will work with a faculty member and their research group to tackle an innovative research project (see list of projects below).

**Eligibility**
All applicants must be United States citizens or permanent residents. The program is designed for student who are juniors during the internship period, but exceptional sophomores will also be considered. Students do not have to be majoring in mechanical engineering and materials science.

Application Deadline: NO UPDATED INFORMATION

More information: http://www.mems.duke.edu/reu

Research Experiences for Undergraduates (REU) for Increasing Diversity
Through National Science Foundation funding, leveraged with other funding sources, our Research Experiences for Undergraduates Site Program for Increasing Diversity at Duke Engineering offers challenging research opportunities to students nationwide to spend a summer researching at Pratt on the Duke University campus. Such research makes these students highly competitive for jobs, internships, and graduate school scholarships. A hallmark of these programs is long-term follow-up, ensuring that a positive experience translates into career impetus.

This nine-week paid program offers research in all the departments of the Pratt School of Engineering—Biomedical Engineering, Electrical and Computer Engineering, Civil and Environmental Engineering, and Mechanical Engineering and Materials Science.

The REU Program is under the direction of Martha Absher, Associate Dean for Education and Outreach Programs. It has an emphasis on including populations underrepresented in engineering--women, underrepresented minorities, and persons with disabilities. All eligible students are encouraged to apply. A wide variety of projects are offered in all areas of engineering.

Application Deadline: Dates vary, Please see website.

More information: http://www.pratt.duke.edu/reu/absher

Summer Research Opportunity Program
The Duke University Summer Research Opportunity Program (SROP) is a 10-week training program designed to give motivated undergraduate students hands-on experience in graduate-level biomedical research. The Duke SROP is geared toward students who are seriously considering joining a PhD graduate program after completing their undergraduate degree.

The Duke SROP emphasizes direct laboratory experience. Students spend a majority of their time learning research techniques in the laboratory, attending lab meetings, interacting with members of other labs, and otherwise conducting themselves just as if they were in graduate school. Each student is mentored by a faculty mentor, solving real research problems in an active, modern biomedical research laboratory.

In addition to laboratory research, the program features a weekly research seminar and social hour, a workshop about how to successfully apply to graduate school, and a closing symposium where the students present their results in a poster session.

Students receive an on-campus apartment, travel assistance, a food allowance, and a competitive stipend.
Application Deadline: January 28, 2016


**Ecosystem Restoration through Interdisciplinary Exchange (ERIE) REU**
The Ecosystem Restoration through Interdisciplinary Exchange (ERIE) REU at the University at Buffalo (UB) is a ten-week program running from May to August. ERIE-REU participants are involved in one of a variety of collaborative and interdisciplinary projects that promote student interactions with multiple investigators within the theme of ecosystem restoration. Combining laboratory and field experimentation with mathematical modeling and simulation, research focuses in three areas: restoration of groundwater resources; restoration of lakes, rivers, and aquatic systems; and engineering for sustainability.

**Eligibility**
Students must be U.S. citizens or permanent residents and must be enrolled as undergraduate students in a college program through fall of the following year. Accepted students are generally at least sophomores and graduating seniors are not eligible. The program does not have a GPA requirement; however, accepted students generally have at least a 3.0 GPA.

Application deadline: NO UPDATED INFORMATION

More information: http://www.erie.buffalo.edu/REU.php

**Emory University**
Summer Undergraduate Research Program at Emory (SURE) allows undergraduate students to conduct supervised research with a faculty mentor. Students receive training in the research methods applicable to their research plan, analyze their data and create written and oral presentations of their results. At the end of the summer, students participate in a formal research symposium.

Panels of faculty and graduate students help explore mentoring issues, and make recommendations on how to choose a graduate program and how to balance work and family responsibilities. Speakers address their own involvement in science careers and the requirements for success in their fields. Weekly ethics discussions allow students to explore the ethical aspects of research careers. Awards for scientific posters are made at the end of the program. Approved posters and essays will be published through our program web site.

**Eligibility:**
- Many available projects require students who have completed sophomore-level coursework and beyond.
- The program is designed to support students currently enrolled in an undergraduate program. You are not eligible for SURE if your bachelor's degree has been awarded by the time the program starts.
SURE funding is available to US citizens and permanent residents. Some international students may be eligible as follows:

- International students enrolled in Atlanta Regional Consortium for Higher Education (ARCH) institution are eligible for funding. Please visit the Atlanta Regional Consortium for Higher Education's website to determine if your institution is a member. If so, proceed with your application as noted for all external applicants.
- International students not attending ARCHE institutions are eligible to apply ONLY if their home institution directly pays their stipend and housing as well as processes all necessary paperwork to ensure the student is lawfully in residence. Assuming the student is a competitive candidate, and that laboratory and housing space are available, we will do our best to place the student in our program. Note that funding availability alone does not guarantee a position: all applicants must be competitive as determined by the selections committee. Please contact the program director if you have any questions.

**Application Deadline:** NO UPDATED INFORMATION

More Information: [http://cse.emory.edu/home/for_students/undergraduate_students/sure/index.html](http://cse.emory.edu/home/for_students/undergraduate_students/sure/index.html)

**Florida International University (FIU) REU Site 2015 Summer program: "Security of Smart Things: From Small Devices to Large Infrastructures"**

This is a great opportunity for undergraduate students (sophomores, juniors, non-graduating seniors) to engage in hands-on research activity under the supervision of a faculty mentor and postdoctoral fellow in the ECE Department throughout the summer. The program will run from June 1, 2015 to August 1, 2015 at FIU Campus in Miami, FL. Our program includes weekly seminars/workshops, preparation of a research poster, individual academic career counseling, hands-on training with real equipment, field trips, and social and cultural activities in the Miami area. Each participating undergraduate student will receive an award of $2000 per month in addition to FIU on-campus housing, meals, materials costs and a travel allowance of $750.

**Eligibility Requirements**

- Undergraduate students majoring in a science or engineering discipline
- Students must be U.S. Citizen or permanent resident
- Students should have a minimum of 3.25 GPA.

For Application and more information: [https://sst-reu.fiu.edu/application/](https://sst-reu.fiu.edu/application/)

**Application Deadline:** NO UPDATED INFORMATION

**Florida International University Minority Biomedical Research Support – Research Initiative for Scientific Enhancement**

The FIU Minority Opportunities in Research (MORE) Program began in 1985 and has grown to include the MBRS RISE, MBRS SCORE and MARC U*STAR Programs. The FIU SCORE Program assists FIU faculty in the preparation of grant proposals and provides administrative support post-award. The RISE Program also promotes the involvement of undergraduate and graduate students in research by providing salaries for the students, tuition for graduate students,
and travel funds for the students to attend scientific meetings. In a similar fashion, the MARC U*STAR Program focuses on Junior and Senior undergraduate students. The students are involved in original research and, depending on their level, are expected to present their work at professional meetings and publish their results in research journals. The FIU MORE Program also enriches FIU by bringing prominent guest speakers to campus to meet with students, cosponsoring an annual symposium and providing a clearing house for students to learn about special training programs and career opportunities in biomedical research, such as NIH internships.

FIU offers, through a variety of academic programs, advanced study and research in the biomedical area at both the graduate and undergraduate levels. The Departments of Biological Sciences, Chemistry & Biochemistry, Physics, Computer & Information Sciences, Biomedical Engineering, Mechanical & Materials Engineering, Dietetics & Nutrition, Environmental Studies and Psychology all offer B.A., B.S., M.S. and Ph.D. programs, and there are also opportunities in the FIU College of Medicine and in the Robert Stempel College of Public Health & Social Work.

So whether you are a faculty member interested in learning about NIH/NIGMS funding opportunities or a student interested in a career in biomedical research, chances are the FIU MORE Program has something for you!

Eligibility
- U.S. Citizen or Permanent Resident
- GPA of 3.0 or better
- Enrolled full-time at FIU in the Biomedical or Health Sciences
- Strong desire to pursue a career in Biomedical Research (Ph.D. or M.D./Ph.D.)

Application Deadline:
Graduate Application Deadline: January 29th, 2016
Undergraduate Application Deadline: February 26th, 2016

More information: [http://mbrs.fiu.edu/](http://mbrs.fiu.edu/)

**Gateways to the Laboratory Summer Program in New York City for Pre-MD/PhD Students**

In 1993, the Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional MD-PhD Program became the first MD-PhD Program in the country to establish a summer program for underrepresented minority and disadvantaged college students who wish to pursue the combined MD-PhD degree. While we've "trained" other MD-PhD Programs over the years in running such a successful summer program, to this day, we are the only such program which focuses on freshman and sophomore college students.

The Gateways to the Laboratory Program is highlighted by the NIH as one of the top ten summer programs for underrepresented and disadvantaged students.

Every year, 15 students embark on a 10 week intensive journey of learning about the challenging and gratifying road of becoming a physician-scientist. Over the summer, students will:
• Work independently on a research project at Weill Cornell Medical College, The Rockefeller University or Memorial Sloan-Kettering Cancer Center, all located across the street from each other on the Upper East Side of New York City.
• Present and participate in weekly journal clubs.
• Participate in a hands-on tour of the Gross Anatomy Lab.
• Sit for a Mock MCAT exam.
• Partake in a Lab Techniques Workshop and Clinical Skills Workshop.
• Participate in Career Development Workshops (Presentation Workshop and Interview Skills Workshop).
• Scrub into surgeries at the NewYork-Presbyterian Hospital.
• Give an oral, written and poster presentation of your research in front of your family, friends and colleagues.
• Have ongoing mentorship by your "Big Sib" (a current MD-PhD student) as well as weekly meetings with the Program's leadership.

Over 100 applicants compete for the 15 coveted positions in each Gateways class. Applicants should have a strong and readily apparent communicable desire to pursue the combined MD-PhD degree. This is NOT an appropriate summer program for students who wish to eventually pursue a MD or MPH degree. Previous research experience is encouraged, but not required. Applicants should submit all materials as required by the Leadership Alliance Summer Research Early Identification Program (SR-EIP) Online Application here. Completion of a college level calculus class is strongly encouraged. A minimum GPA of 3.0 is strongly suggested.

Application Deadline: February 1, 2016

More information: http://weill.cornell.edu/mdphd/summerprogram/

Georgia Health Sciences University (formerly Medical College of Georgia) - College of Graduate Studies - Summer STAR Program
The Summer STAR (Student Training And Research) Program is designed to provide biomedical research experience for undergraduate students with a sincere desire to pursue a graduate education in biomedical sciences.

This program provides opportunities for highly motivated and talented undergraduate students to develop skills as young scientists and to further explore their interest in biomedical research. During the course of the nine-week program, STARs actively participate in a biomedical research project under the guidance of an GHSU faculty member.

In addition, STAR participants attend workshops, discussion groups and laboratory demonstrations that expose them to a broad range of biomedical research techniques, approaches and laboratory experiences available at Georgia Health Sciences University. The Summer STAR program provides excellent preparation and relevant experience for students planning to pursue a PhD or MD/PhD in the biomedical sciences.

Choose an area of research that interests you
Spend 9-weeks of your summer conducting biomedical research
Attend exciting, interactive and informative workshops
Prepare and present a poster showcasing your summer research accomplishments
Establish friendships with STARs, faculty, staff and students that extend beyond STAR
Get paid while you are learning and having fun

Eligibility
The ideal Summer STAR applicant is one who has a sincere interest in pursuing a graduate education in biomedical sciences through a PhD or MD/PhD program. Acceptance into the program is on a competitive basis. The members of the STAR program committee, the Dean for the Graduate School and/or the Director of the STAR program are responsible for all final decisions.

Minimal requirements:
- 18 years or older by start of the STAR session
- Completion of at least freshman year in college
- Minimum overall GPA of 3.0
- Minimum GPA of 3.0 in science courses
- Currently enrolled in an undergraduate college (Candidates who have already graduated from undergraduate college or will be completing their senior year in Spring 2013 are not eligible for this program.)
- Proof of current Health Insurance Coverage that extends throughout the duration of the Summer STAR Program
- United States citizenship (or hold permanent resident status) or international students currently enrolled in US college/university holding a student non-immigrant visa. (It is the responsibility of the individual applicant to check with the international office at their home institution to determine eligibility for the STAR program and the proper procedures necessary to follow if accepted.)
- Proof of current social security number/card for employment purposes.

We encourage minorities and females to apply to the STAR program. Georgia Health Sciences University is an affirmative action/equal opportunity educational institution that prohibits discrimination on the basis of age, disability, gender, national origin, race, religion, sexual orientation, or status as a Vietnam War Era veteran.

It will be the decision of the STAR committee to accept students for the program who do not meet minimum qualifications.

Application Deadline: February 8, 2016


**Georgia Institute of Technology REVAMP (Research Experience for Student Veterans in Advanced Manufacturing & Entrepreneurship)**
Ten week summer program held at the Georgia Tech Manufacturing Institute located on Georgia Institute of Technology campus. Students will work directly in a Georgia Tech research lab group, under the supervision of a faculty mentor. Student projects will be centered around cutting edge manufacturing research with training on entrepreneurship.
Eligibility
- Undergraduates of all STEM majors
- US citizenship or permanent residency is required
- Student veterans and underrepresented groups in STEM fields are highly encouraged to apply

Application Deadline: February 29, 2016

More information: http://www.manufacturing.gatech.edu/revamp-nsf-reu

Global Environmental Microbiology (GEM) Summer Course
Microbes are the beginning and end for almost every process on earth! From hydrothermal vents at the bottom of the ocean, to tropical rainforests near the equator, and from the North to South Pole, microbiologists uncover their secrets.

Funded by the National Science Foundation, C-DEBI offers the Global Environmental Microbiology (GEM) course in microbiology and microbial ecology. Taught by Drs. John Heidelberg and Eric Webb, this field-based, hands-on course is:

- Offered at the University of Southern California
- Four weeks in length in the Summer of 2014
- Week 1 at USC with lectures and labs
- Week 2 in the Eastern Sierra Mountains
- Weeks 3 and 4 at Wrigley Marine Science Center on Santa Catalina Island

So come and get your "feet wet" in microbial ecology and learn what bacteria are, how they work, and what they do. Explore DNA, genetics and genomics and their potential function in the environment. Figure out how microbes are used - not just for wine and cheese.

Course expenses, travel, room and board are paid for by C-DEBI.

Eligibility:
- Interested in a science career and willing to explore scientific research
- Flexible, open to new experiences and able to commit to attending the course
- Completed at least 1 semester-long science course at a 2 or 4-year college/university (biology, chemistry, physics, geology, etc.),
- Must be a US citizen or permanent resident

Application Deadline: February 2, 2016

More information: http://www.darkenergybiosphere.org/
http://www.darkenergybiosphere.org/education/undergrads/GEMcourse.html

Harvard University
Research Experiences for Undergraduates
NSF-sponsored Nanoscale Science and Engineering (NSEC) and the Materials Research Science and Engineering (MRSEC) Centers

Eligibility
Applicants must be U.S. Citizens or Permanent Residents. Undergraduates must be currently enrolled. Teachers or pre-service teachers must have an appointment at a K-12 school in the upcoming academic year and be within commuting distance of Harvard.

You must be a currently enrolled undergraduate who will not graduate before December 2014. Many of our sources of funding also require that participants are Permanent Residents or Citizens of the U.S.

Programs Offered:

1. NSF Materials Research Science and Engineering Center (MRSEC)
2. NSF REU/RET Site in Materials for Bioengineering Initiative Dedicated to Gateway Experiences
3. NSF CDI in Scientific Computing using GPUs
4. The Rowland Institute at Harvard
5. The Wyss Institute for Biologically Inspired Engineering
6. NSF Expeditions in Computing: Robobees
7. NSF Secure and Trustworthy Cyberspace Program: Privacy Tools for Sharing Research Data
8. Institute for Applied Computational Science

Application Deadline: February 15, 2016

More Information: https://reusite.seas.harvard.edu/application/

Harvard University Graduate School of Design Career Discovery Program
The six-week summer Career Discovery program at the Harvard University Graduate School of Design (GSD) welcomes people—from recent high school and college graduates to seasoned professionals—who are grappling with questions like these. And not just people considering a career in design or planning, but people with a broad spectrum of interests and remarkably diverse plans and goals. What they have in common is the drive and desire to seek the answers to those questions.

Participants in our program commit themselves fully to a path of intensive studio work, lectures, workshops, and field trips. Deeply immersed in a culture that is both challenging and rewarding, they experience what education and work are like in the design and planning professions. They emerge—many of them exhilarated—with a more profound understanding of the possibilities ahead and the choices they will make.

Eligibility: Career Discovery is open to any high school graduate who is 18 years of age or older with an interest in design or planning. A high level of academic skill is necessary to take full advantage of our program.
Application Deadline: May 2, 2016


**Harvard School of Public Health Summer Program in Epidemiology**

The 4 week Summer Program in Epidemiology integrates mathematics and quantitative methods to provide students with an understanding of the skills and processes necessary to pursue a career in public health. The breadth and scope of public health is vast and requires an interdisciplinary approach, which can encompass various fields ranging from immunology to nutrition to environmental research.

The summer program curriculum consists of three parts: introductory coursework in epidemiology and biostatistics; formal lectures, which are provided by faculty members with different foci in epidemiology; and a group research project where students will investigate a question of public health relevance that interests them. Students who participate in the program are able to meet with students matriculating through various programs at Harvard School of Public Health. In addition, students have the opportunity to meet with faculty and administrators individually, and the chance to explore the city of Boston. Participants receive summer salary, housing, and funded travel.

**Eligibility:** In order to take advantage of this opportunity, applicants must meet all of the criteria below:

- Applicants must be U.S. citizens, U.S. nationals, or permanent residents of the U.S;
- Applicants must be from an underrepresented group in biomedical research, which includes: First generation college students; students with disabilities; students from an economically disadvantaged background (this requires additional supportive documentation)*, students from racial and ethnic groups that are underrepresented, such as: Blacks or African Americans, Hispanics or Latinos, American Indians or Alaskan Natives, and Native Hawaiians and other Pacific Islanders;
- Applicants must have a GPA of 3.0 or above;
- Applicants must be from a quantitative science background OR have taken several quantitative classes beyond intro level courses;
- Applicants must have a demonstrated interest in public health, specifically epidemiology.

**Application Deadline:** February 26, 2016 – Application and Letter of Recommendation are due at 11:50pm


**Indiana University**

The REU program in Animal Behavior brings about 10 undergraduate students to Indiana University each summer to engage in animal behavior research. Located in the heart of Bloomington, IU is a Big Ten university with a national reputation for research in the sciences. The city is nestled in the hilly, wooded countryside of southern Indiana near local lakes, state parks, and the Hoosier National Forest. It is conveniently located one hour south of Indianapolis (home of the Indy 500, the Colts and the Pacers, and the largest children’s museum in the US), 2.5 hours from
Cincinnati, and 4 hours from Chicago. The area offers a variety of outdoor activities including biking, boating, caving, camping and hiking, as well as a rich cultural life of music, museums, and restaurants. An extensive public bus system can take you anywhere you want to go.

Eligibility: Please note that program participants must be citizens or permanent residents of the United States or its possessions. Those who will have completed the requirements for a bachelor's degree before June 2015 are NOT eligible to apply.

Application Deadline: February 8, 2016
More Information: http://www.indiana.edu/~animal/reu/

Injury Science Research Experience for Undergraduates
In partnership with the University of Pennsylvania, the Center for Injury Research and Prevention (CIRP) at The Children’s Hospital of Philadelphia accepts applications for the Injury Science Research Experiences for Undergraduates (REU) program, which offers 10-week paid summer research internships for undergraduate students. CIRP is a leading multidisciplinary center engaged in collaborative cross-discipline research implementing real world applications.

The REU program, sponsored by the National Science Foundation, provides underrepresented students with mentorship and hands-on research experience in the fields of engineering, behavioral science, education, population science and statistics as applied to pediatric injury science (i.e., prevention of injury, post-injury/traumatic stress, and secondary prevention). Each REU student works closely with a CIRP mentor or mentors on an assigned project or projects and also attends formal workshops, meetings, field trips, seminars, and social events.

Eligibility
- 3.0 GPA
- 1 math and 1 science course completed
- 1 year of college completed
- US citizen or permanent resident

More information: http://injury.research.chop.edu/training-opportunities/reu#.Um7MS3CkokA

The Institution for Broadening Participation
Website provides access to over 650 paid summer research and internships for undergraduates.

Search Summer Research programs by institution and disciplinary categories, or by geography.
The Jackson Laboratory

Our Summer Student Program provides high school and college students with an opportunity to conduct independent research under the guidance of staff scientists. More than 2,000 students, including three Nobel Laureates, have participated in the program.

The Summer Student Program is designed to help students understand the nature of research science. The emphasis of this program is on methods of discovery and communication of knowledge, not the mastery of established facts.

**Independent research**

Under the guidance of a mentor, students integrate into an ongoing research program, develop an independent project, implement their plan, analyze the data and report their results. At the end of the summer, students present their findings to researchers, peers and parents.

**Dynamic students**

Each year, the program consists of about 30 students from around the United States, from both high school and undergraduate institutions. Their varied interests and backgrounds create a lively, well-rounded atmosphere at The Jackson Laboratory.

**Stimulating environment**

Nestled on the border of Acadia National Park, The Jackson Laboratory is surrounded with possibilities for outdoor adventure. Between hiking, swimming, biking and bird watching, employees and locals are continuously inspired by the pristine landscape.

**Eligibility**

Who is eligible?

At the time of participation in the program, a high school student must

- have completed Grade 11 or Grade 12;
- be at least 16 years old; and
- be a U.S. citizen or permanent resident.

At the time of participation in the program, a college student must

- be enrolled as a full-time undergraduate student;
- have at least one semester of undergraduate school remaining before graduation; and
- be a U.S. citizen or permanent resident.

**How the selection process works:**

After the Education Program Director makes preliminary suggestions for admission, each mentor reviews the application pool and selects the applicant(s) he or she wishes to have in his or her laboratory. Attributes that mentors consider in selecting students include:

- an indication of a deep desire to conduct an independent research project;
• academic achievement;
• curiosity;
• ambition;
• aptitude for working independently and within a team; and
• research interests that fit a project in the mentor's lab.

The Laboratory gives final approval to the mentors' selections. Notifications of decisions will be emailed in late March 2013. Applications from minority students are strongly encouraged.

Application Deadline: February 2, 2016 @ 11:59pm
Recommendation letters will be accepted if submitted within a one-week faculty grace period after the February 2 deadline. The faculty grace period for letters expires on February 9, 2016, 11:59 pm EST. Application materials received after these posted deadlines will be considered late and may not be reviewed.


Dr. James A. Ferguson Emerging Infectious Diseases Fellowship
The Dr. James A. Ferguson Emerging Infectious Diseases Fellowship Program is a Centers for Disease Control and Prevention (CDC) funded nine week summer program providing educational and professional development opportunities for students from underrepresented populations defined by the federal government (http://www.cdc.gov/minorityhealth/ExecutiveOrders.html) and those interested in addressing health disparities related to infectious diseases.

The Dr. James A. Ferguson Emerging Infectious Diseases Fellowship provides public health research and professional development in the area of infectious diseases and health disparities with a special focus on increasing knowledge and interest in public health careers among students from under-represented populations. The 9-week fellowship program is funded by the Centers for Disease Control and Prevention (CDC). Fellows may also gain clinical experience and develop leadership skills.

Program Benefits:
• A $4,000 stipend is provided for all participants.
• Housing and round-trip travel are also available for out-of-state students.
• Sponsorship to attend a national scientific meeting following abstract submission
• Sponsored membership in the American Public Health Association (APHA)

Eligibility
• Students must be currently enrolled as a full-time student in a medical, dental, pharmacy, veterinary, or public health graduate program.
• Students must have a 3.0 GPA or higher on a 4.0 scale.
• Students must be able to commit to the full length of the fellowship.

Students should have a strong interest in addressing health disparities related to infectious diseases. Students who are members of under-represented populations (as defined by the federal government, http://www.cdc.gov/minorityhealth/ExecutiveOrders.html) are strongly encouraged to apply!
Application Deadline: January 31, 2016

More Information: http://www.kennedykrieger.org/professional-training/professional-training-programs/rise-programs/ferguson-fellowship

Kennedy Krieger Institute RISE Programs - MCHC/RISE-UP Program
The Maternal and Child Health Careers/Research Initiatives for Student Enhancement (MCHC/RISE-UP) Program provides opportunities for enhanced public health and related training to eliminate health disparities and promote health equity. MCHC/RISE-UP grant funding was awarded to Kennedy Krieger Institute (KKI) by the Centers for Disease Control and Prevention (CDC) to develop a national consortium of Institutions and Universities built on the Leadership Education and Neurodevelopmental Disabilities (LEND) training framework and the previous CDC-funded RISE grant. Through this program, university partners from across the nation will offer learning opportunities for students.

Eligibility
This program's ultimate goal is to promote a more diversified and equal health system by introducing highly qualified undergraduate students (junior sand, seniors with a GPA 2.5 or better on a 4.0 scale; and students who received their baccalaureate degree within 12 months of MCHC/RISE-UP program orientation) from underrepresented groups to the field of public health. All students interested in addressing health disparities are encouraged to apply.

Application Deadline: January 31, 2016

More Information: http://www.kennedykrieger.org/professional-training/professional-training-programs/rise-programs/mchc-rise-up

The Leadership Alliance
Since 1992, the Leadership Alliance has encouraged students from groups traditionally underrepresented in the sciences, engineering, social sciences and humanities to pursue research careers in the academic, public and private sectors.

SR-EIP provides undergraduates with training and mentoring in the principles underlying the conduct of research and prepares them to pursue competitive applications to graduate schools.

SR-EIP is a gateway to ongoing resources, mentoring and professional networks to support all participants along their chosen career path.

SR-EIP is a rigorous research experience designed specifically for undergraduates interested in applying to PhD or MD-PhD programs.

Eligibility
Applicants must currently be enrolled full-time in an accredited public or private college or university in the United States or its territories, as recognized by the U.S. Department of Education. All applicants must:

Be in good academic standing with a GPA of 3.0 or better
• Demonstrate a committed interest to pursue graduate study toward a PhD or MD-PhD
• Have completed at least two semesters and have at least one semester remaining of their undergraduate education by the start of the summer program.
• Be a US citizen or have permanent resident status at the time of application

Application Deadline: November 1, 2015 – February 1, 2016


Marshall University Biomedical Sciences Summer Research Internship for Minority Students
Marshall University’s Biomedical Sciences Graduate Program is approaching its sixth annual Summer Research Internship for Minority Students (SRIMS)!

The SRIMS program includes nine weeks of graduate-level research in the field of biomedical sciences. Participants receive formal research training while expanding their learning experience through workshops, seminars on current topics, mentoring and use of state-of-the-art core facilities.

Eligibility
Each year, applications from undergraduate and underrepresented minority students who have not graduated by August of the program year are considered. Also, students are required to present their research at the WV Summer Research Symposium the last week of the program and should note this as they commit to the program. A stipend of $3,000 will be provided to each participant for the nine-week experience. Participants will receive free room and board, as well as assistance with travel.

Application Deadline: February 12, 2016

More information: http://www.marshall.edu/bms/future-students/summer-research-internship/

Massachusetts Institute of Technology (MIT)
The Department of Biology and the Department of Brain & Cognitive Sciences at MIT offer a joint 10-week research-intensive summer training program in the biological sciences, neurosciences or biomedical-related fields to advanced sophomore and junior science majors from other colleges and universities. This summer internship program is funded in part by the Howard Hughes Medical Institute and the MIT School of Science.

Eligibility:
Only current undergraduate students studying full time in the U.S. are eligible for this summer program. MIT undergraduates are not eligible for this program. If you are an MIT undergraduate, see the UROP Program website. Students studying abroad for more than one semester are not eligible.

In addition applicants must:
• Be current sophomores or juniors who have successfully completed introductory courses in the biological sciences (Seniors in a 5-year program are also eligible)
• Maintain a minimum 3.5 GPA in the science courses.
• Have demonstrated an interest in basic research and in a career in the sciences.

Preference will be given to applicants from non-research intensive colleges and universities. Foreign students are not eligible unless they are currently enrolled as full-time undergraduates at a college or university in the U.S. on a student visa.

Students accepted into the program receive their 10-week practical training in one of over 90 research laboratories affiliated with the Department of Biology or the Department of Brain & Cognitive Sciences at MIT.

Areas of research are very diverse and include Biochemistry & Biophysics, Bioengineering, Cancer Biology, Cell Biology, Chemical Biology, Computational & Systems Biology, Developmental Biology, Genetics, Genomics, Human Genetics, Infectious Diseases, Immunology, Microbiology, Molecular Biology, Molecular Medicine & Human Disease, Molecular and Cellular Neuroscience, Cognitive Sciences, Computational Neuroscience, Systems Neuroscience, Neurobiology, Plant Biology, Structural Biology, Systems Biology, or Virology.

In addition students receive training in reading and discussing scientific research papers, are exposed to scientific writing, practice giving oral presentations on their summer research and meet with various faculty to discuss scientific careers.

Students accepted into the program receive:
• Campus housing.
• A weekly stipend.
• Travel allowance to and from MIT (domestic travel only).
• An MIT email account.
• Subsidized pass to the athletic facilities.
• Wireless internet access.
• Access to the MIT Medical Department.
• Organized social activities and weekend outings.

Students are expected to work full-time in the laboratory, to participate in weekly lab meetings, and attend weekly academic and research seminars. The weekly seminars cover such topics as applying to graduate school, giving an oral presentation, writing a research abstract, learning about various career options available to Ph.D. graduates. These seminars are designed to help students improve their presentation skills and to be more competitive applicants. Students will also have the opportunity to attend departmental retreats, research symposia, research seminars, and meet with various faculty members.

During the summer, students have several opportunities to give oral presentations on their research. At the end of the program students give a poster presentation on their research, submit a 5-page research summary, and a one-page personal statement about their summer experience at MIT.
Students are also invited to participate in weekend social activities, visit a local Biotech, and visit Boston and its vicinity. Students take a guided tour of Boston and the Freedom Trail, a one-day trip to Martha's Vineyard, a 4th of July barbecue, and a Boston Harbor cruise.

Students in the MIT summer program live together on campus in shared suites with kitchens. This housing arrangement promotes social interactions and provides a wonderful opportunity to forge long-lasting friendships with peers in the program.

Eligibility
Only current undergraduate students studying full time in the U.S. are eligible for this summer program. MIT undergraduates are not eligible for this program. If you are an MIT undergrad, see the UROP Program website. Students studying abroad for more than one semester are not eligible.

In addition applicants must:
- Be sophomores or juniors who have successfully completed introductory courses in the biological sciences (Seniors in a 5-year program are also eligible)
- Maintain a minimum 3.5 GPA in the science courses.
- Have demonstrated an interest in basic research and in a career in the sciences.

Preference will be given to applicants from non-research intensive colleges and universities.

Foreign students are not eligible unless they are enrolled full-time at a college or university in the U.S. on a student visa.

Application Deadline: January 30, 2015 11:59pm EST

More information: https://biology.mit.edu/outreach_initiatives/UG_summer_internship

Medical Scientist Training Program
The UM-SMART Program provides an opportunity for highly motivated and talented undergraduates to participate in a 10-week research-focused program. UM-SMART is designed for undergrads who are potentially interested in obtaining a combined MD/PhD degree leading to a career in academic medicine focused on basic research relevant to human diseases. This program may help you decide if this is the right career for you, and could enhance your competitiveness when applying to MD/PhD programs. Participants in UM-SMART can expect to:

- Perform full-time research in a faculty laboratory
- Attend weekly luncheon presentations where faculty discuss their research
- Give short presentations of their summer accomplishments at the conclusion of the program
- Obtain clinical exposure opportunities in the form of physician shadowing
- Attend the MSTP annual scientific retreat
- Attend formal MCAT instruction over an eight-week period
- Receive a stipend of $4200, plus housing. The program also will cover student transportation costs up to $200. Students will need to provide their own meals.

Eligibility
- Come from an educational, cultural or geographic background that is underrepresented in the sciences OR
• Have experienced financial hardship as a result of family economic circumstances OR
• Have a physical or mental disability that substantially limits one or more major life activities
AND
• Be a current undergraduate (those applying to Med/Grad School for 2013 are not eligible)
• Be a US citizen or permanent resident
• Have completed either an organic chemistry course with lab or a biology course (physiology, biology, biochemistry) with lab
• Submit at least two letters of recommendation, one of which must be from a research mentor or the instructor of a laboratory course
• Maintain a 3.2 grade point average

Application deadline: January 15, 2016

More information: http://medicine.umich.edu/medschool/education/mdphd-program/um-smart-undergrad-summer-program

Medical University of South Carolina (MUSC)
Our Spinal Cord Injury (SCI) research team seeks to recruit several undergraduate students for a 10-week research internship from May-July 2014 to assist with our Longevity After Injury Project (LAIP). Minority students are encouraged to apply.

Undergraduate students whose research interests include Spinal Cord Injuries (SCI), Traumatic Brain Injuries (TBI), biostatistics, epidemiology, and/or health disparities should consider applying to work with our research team. Interested students would need to apply before January 31, 2014 with MUSC’s College of Graduate Studies.

Eligibility
Applicants must be
1. US citizens or permanent residents
2. Undergraduates with a very strong interest in biosciences and biomedical research
3. Have completed at least two full years of college course work, or else have been involved in significant research opportunities, by the time the internship begins
4. Enrolled full time and in good standing in a baccalaureate program at the time of application
5. Must be able to complete the entire 10 weeks of the program. (May 28th through August 2nd)
6. Students must have a minimum GPA of 3.0. A cumulative G.P.A. of 3.2 or higher is preferred

Application Deadline: (project might be finished?)

More Information: http://www.musc.edu/grad/summer/surp/

Mentoring Summer Research Internship Program
Established in 1987, the Mentoring Summer Research Internship Program (MSRIP) is our eight-week summer research program designed for rising juniors, seniors (and some masters students)
from educationally and/or economically disadvantaged backgrounds. Participants work under the supervision of a faculty mentor on the mentor’s research project.

The goal of MSRIP is to increase the number of outstanding students from diverse backgrounds who pursue the Ph.D. by strengthening their academic and professional development for admission to the University of California campuses and UC Riverside, in particular, as well as colleges and universities nationwide. Its primary objectives are to:

1. Provide preparation for graduate studies through a variety of workshops
2. Provide a mechanism that fosters faculty/student interrelationships
3. Introduce students to graduate opportunities at UCR
4. Assist the students in realizing their potential for graduate studies, in general, and at UCR, in particular
5. Expose the faculty mentors to the possibility of recruiting their interns to their departments

Eligibility
- U.S. citizen or permanent residents
- Students from four-year institutions who are entering their Junior or Senior years or first-year master's students enrolling at UCR in the fall
- Students interested in pursuing a graduate degree (i.e., master’s, doctoral)
- First generation college students, those from socioeconomic hardship backgrounds, or students qualified by other pertinent criteria
- Minimum 3.0 GPA required of all students
- Undergraduates must be enrolled full-time at four-year colleges or universities

Application Deadline: February 13, 2016

More information: [http://graduate.ucr.edu/msrip.html](http://graduate.ucr.edu/msrip.html)

**Michigan State University**

10 week paid summer internships for visiting undergraduate students, secondary science teachers, and faculty at primarily undergraduate-serving colleges and universities. The goal of the program is to provide mentored research experiences in plant genomics and build relationships in the greater scientific community for visiting participants and the whole project team.

Plant Genomics Researchers at Michigan State University collaborate on a summer training program for students enrolled in undergraduate studies in biology, chemistry, chemical engineering and computational sciences. The ten week program is designed to give students experience in the theory and practice of genomics and includes a wide variety of projects and participating laboratories. While the main emphasis is on gaining laboratory experience, the ten week program includes informal lectures from faculty and social activities. At the end of the program, students will present research project summaries of their work to all the project teams.

Core program dates: Full time 10 weeks. Students should plan to be here for the entire 10 week program and work at least 40 hours per week.

Eligibility:
You must be a US citizen or permanent resident. Students must be enrolled in a degree granting program with a relevant major and be entering their sophomore year or later. Students should not plan on taking any classes during the research program; these are full-time positions.

Application Deadline: February 17, 2016


**Minority Access, Inc.**
The Minority Access National Internship Program is designed to allow talented undergraduate and graduate students experience the diversity and scope of career opportunities available in the federal government and other participating entities. The program provides students with the opportunity to merge academic theory with practical application in the workplace.

Minority Access interns receive pre-employment training, expert counseling on career choices, financial management and professional development, and recognition for fulfilling the requirements of the program. The Minority Access National Internship Program staff is available at all times to lend assistance to the interns.

Students are you ready to begin working toward a career in the field of your choice? Would you like to earn pay for receiving hands-on experience, travel to exciting places while earning pay and academic credit; and share experiences with students from other colleges and universities? Would you like an internship during your college career that has the possibility of an offer for full-time employment upon graduation? The Minority Access National Diversity & Inclusion Internship Program could provide you with the opportunity for all of the above!

**Eligibility**
Who May Apply
- U.S. Citizens
- All academic majors
- Currently enrolled full time
- Sophomores, Juniors & Seniors
- In most cases minimum 3.0 cumulative GPA on 4.0 scale
- Graduate & Professional Students
- ALL students are encouraged to apply

Eligibility Requirements
- Complete online application with all attachments
- US Citizenship or Permanent Resident
- In most cases minimum 3.0 Grade Point Average (GPA) on 4.0 scale
- Completed at least undergraduate freshman year

The Minority Access National Internship Program provides students with the opportunity to merge academic theory with practical application in the work place through full time and part time internships. The program allows talented college students to experience the full scope and diversity of career opportunities available in the management, professional and technical domains of participating entities.
Application Deadline:
Applications must be received or postmarked by the dates indicated below:

<table>
<thead>
<tr>
<th>Internship Options</th>
<th>Internship Dates</th>
<th>Types of Positions Available</th>
<th>Application Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>January - May</td>
<td>Full and Part-time</td>
<td>December 1</td>
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<tr>
<td>Summer</td>
<td>June - August</td>
<td>Full Time Only</td>
<td>March 1</td>
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<tr>
<td>Fall</td>
<td>September - December</td>
<td>Full and Part-time</td>
<td>July 1</td>
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</tbody>
</table>


**Morehouse College – Project IMHOTEP Summer Program.**
Since its establishment in 1988, PHSI has had a large impact on students, especially those in the AUC. The number of AUC students attending graduate school in public health has tripled during the last ten years.

The vast majority of these students have participated in one or more PHSI's highly successful programs. Our programs, along with activities that provide career counseling and increase career awareness, constitute a solid core on which students can build a career in public health.

Project: IMHOTEP is an eleven-week internship (May 19, 2014 – August 1, 2014) designed to increase the knowledge and skills of student trainees in biostatistics, epidemiology, and occupational safety and health. The program begins with two weeks of intense educational training. The purpose of this training is to equip interns with the academic coursework and information necessary to complete the program. During the following eight weeks, interns conduct public health research with experts at the CDC, NIMR, Academic Institutions, State Agencies, and various other public health agencies and community based organizations. Interns also receive a $3,500 stipend, lodging, and travel to and from their site location and city of origin.

**Eligibility**
- Must be a junior, senior, or recent graduate (within one year) of an undergraduate institution
- Cumulative GPA of 2.7 or higher
- U.S. Citizen or Permanent Resident

Application Deadline: January 31, 2016


**Minorities in Marine and Environmental Sciences (MIMES)**
This is a 12-week paid summer internship at the South Carolina Department of Natural Resources in Charleston, South Carolina USA. In 2015, this 12-week paid summer internship will be from May 18th to August 7th 2015, with the grant covering the costs of return travel to and from Charleston,
dormitory housing with the College of Charleston, a $4,500 stipend and any associated individual intern research project costs (up to $500 per student). Each intern will be receiving expert training in the key professional skills needed to pursue graduate school and/or a career in the marine and environmental science disciplines, design and complete an individual research project under the guidance of their mentor(s), and will present their findings to their peers and the Fort Johnson research community at the end of the program in a one-day colloquium setting.

Applicants must provide:

- College Transcript (original copy preferred)
- Two letters of recommendations (preferably from present or past professors)
- Written statements of fields of interest and goals.
- An application form for the MIMES program - (Adobe PDF File)

Application Deadline: NO UPDATED INFORMATION

More information: http://www.dnr.sc.gov/marine/minority/requirements.html

**NASA Airborne Science Program**

The NASA Airborne Science Program invites highly motivated junior and senior undergraduates to apply for participation in the NASA Student Airborne Research Program (SARP 2014). The purpose of the Student Airborne Research Program is to provide students with hands-on research experience in all aspects of a major scientific campaign, from detailed planning on how to achieve mission objectives to formal presentation of results and conclusions to peers and others. Students will work in four multi-disciplinary teams to study surface, atmospheric, and oceanographic processes. Participants will assist in the operation of instruments onboard the DC-8 research aircraft to sample and measure atmospheric gases and to image land and water surfaces in multiple spectral bands. Along with airborne data collection, students will participate in taking measurements at field sites.

Outstanding faculty and staff for this program will be drawn from several universities and NASA centers, as well as from NASA flight operations and engineering personnel. The eight-week program begins June 15, 2014 and concludes August 8, 2014. Instrument and flight preparations, and the research flights themselves, will take place during the first two weeks of the program at NASA’s Dryden Aircraft Operations Facility, in Palmdale, CA. Post-flight data analysis and interpretation will take place during the final six weeks of the program at the University of California, Irvine.

Successful applicants will be awarded a $3,000 stipend for the 8-week program. Full travel and living expenses and a $2,500 food allowance will also be provided.

Selection criteria will include:

- Excellent Academic performance
- Potential for contributing to the United States future workforce as judged by career plans
- Evidence of interest in Earth system science and hands-on research
• Leadership qualities and ability to perform in teams

Eligibility
Students interested in the program should have a strong academic background in disciplines relevant to the Earth system including the physical, chemical or biological sciences or engineering. Image processing and GIS experience will be useful for those interested in remote sensing.

• Applicants must be US citizens.

Eligibility requirements include full-time student status at an accredited U.S. college or university. Women and minorities are strongly encouraged to apply.

Application Deadline: NO UPDATED INFORMATION


For more NASA-Supported Internships, fellowships, and scholarships: http://intern.nasa.gov

NASA Develop Sciences Program

Summer 2016 Term:

• Application Window: January 4 – February 12
• Term Dates: June 6 – August 12

General Eligibility Requirements
• At least 18 years of age
• Ability to provide personal transportation to and from the DEVELOP location
• Strong interest in Earth science and remote sensing
• U.S. citizenship is required to apply to DEVELOP locations at NASA Centers

In addition to meeting the general eligibility requirements stated above, each applicant must meet the additional requirements specific to their applicant classification:

Currently Enrolled Students – Students who are currently enrolled at a U.S. accredited community college, undergraduate or graduate college or university. Open to all majors.

Evidence of enrollment at an accredited U.S. school (acceptance letter or current unofficial transcripts)
• Minimum 3.0 GPA on a 4.0 scale (cumulative or most recent)

Recent Graduates – Individuals who have graduated with an undergraduate or graduate degree from a U.S. accredited college or university within the past two years.

• Evidence of successful graduation from a college or university (diploma or transcript showing graduation)
• Minimum 3.0 GPA on a 4.0 scale (cumulative or most recent) at last institution of higher learning
• Eligible within two years after graduation to apply for up to four terms with DEVELOP (which includes time spent serving in the DEVELOP Young Professionals Class)

Early/Transitioning Career Professionals – Individuals transitioning to a new career field, who are pursuing further experience in the Earth sciences and remote sensing (including transitioning/recently transitioned veterans from the U.S. Armed Forces).
  • At least two years of work experience in a professional environment
  • Minimum 3.0 cumulative GPA on a 4.0 scale from last institution of education
  • Eligible within two years after leaving previous career/service to apply for up to four terms with DEVELOP (which includes time spent serving in the DEVELOP Young Professionals Class). U.S. Veterans must provide evidence of service and release/discharge - DD Form 214

To apply, go to: http://develop.larc.nasa.gov/apply.html

National Center for Earth-surface Dynamics (NCED)
This REU introduces undergraduate students to interdisciplinary research on sustainable land and water resources that is essential for improving management practices. Students will work on one of three teams using an interdisciplinary team-oriented approach that emphasizes quantitative and predictive methods. Student projects will integrate the Earth-surface dynamics, geology, ecology, limnology and paleolimnology, and hydrology principles and techniques required for sustainable land and water management and restoration.

You will receive a stipend of $500 per week plus transportation and housing for your participation in this program

Eligibility
The program is open to undergraduate students majoring in civil engineering, geosciences, ecology, mathematics, or related fields. We encourage applications from students who have been historically under-represented in their discipline and from first-generation college students. The program provides transportation, food, and housing plus a stipend to all participants.

Application Deadline: NO UPDATED INFORMATION

More Information: http://www.nced.umn.edu/content/research-experience-undergraduates

National Eye Institute (NEI)
The National Eye Institute (NEI), National Institutes of Health (NIH), is seeking exceptional candidates for its Diversity in Vision Research and Ophthalmology (DIVRO) summer internship program.

The mission of the NEI is to conduct and support research that helps prevent and treat eye diseases and other vision disorders. Because we believe that a diverse group of scientists play a crucial role
in accomplishing this mission, NEI seeks to increase the number of African-American, Latino, and Native American scientists in vision research by promoting career development opportunities for science students interested in pursuing a career in research.

**Training Assignments**
DIVRO offers participants the opportunity to work closely with leading NEI scientists. Training typically begins in May or June of the selection year for 8-12 weeks on the NIH campus in Bethesda, MD. Students are provided a monthly stipend that is commensurate with experience and qualifications. The program is designed to:

- Provide hands-on training in a research environment and an opportunity to present scientific research at NIH Poster Day.
- Prepare students to continue their studies and advance their career in clinical and basic research.
- Apply knowledge gained during their academic studies to actual experiences in a laboratory.

**Eligibility:**
- Students 16 years of age and older who are enrolled at least half time in high school or in an accredited U.S. college or university.
- Completed course work relevant to biomedical, behavioral, or statistical research.
- Cumulative grade point average (GPA) or science course GPA of 3.2 or better on a 4.0 scale.
- U.S. citizen or permanent resident.
- Must not have a relative who works for the NEI.

**Application Deadline:** March 1, 2016


**National High Magnetic Field Laboratory**
The MagLab’s prestigious Research Experiences for Undergraduates (REU) is an exciting summer program for college students interested in a science career the chance to partner with a MagLab scientist on an in-depth research project.

The program offers a wide range of research experiences in physics, chemistry, biological sciences, geochemistry, materials science and magnet science and engineering. Participants work closely with faculty mentors and are thoroughly integrated into research and development activities. Students also participate in weekly seminars and colloquia that broaden their knowledge of Magnet Lab research.

Each student accepted by the program receives a stipend and, if necessary, a travel stipend of up to $600. Housing is also covered by the program.

**Program Highlights**
- Housing is provided for out-of-area students who are placed at the Tallahassee site and do not attend Florida State University, or students who are placed at the University of Florida site and do not attend the University of Florida.
• Travel reimbursements of up to $600 are paid to students who do not attend FSU or do not have permanent residence in Tallahassee. Students whose parents or legal guardians live in Tallahassee are not eligible for reimbursement. The travel reimbursement will only cover direct travel from the students’ home to the lab location.
• Students are required to participate throughout all ten weeks of the program.

Eligibility: The program is for U.S. citizens and permanent residents only.

Application Deadline: March 4, 2016

More information: https://nationalmaglab.org/education/college-students-early-career-scientists/reu

**National Human Genome Research Internship**
The Summer Internship Program in Biomedical Research provides students at all levels the opportunity to perform biomedical research alongside some of the world’s most accomplished scientists. The program immerses students in a unique environment devoted to better-understanding the underlying causes of human genetic disease, leading to the development of novel methods for the detection, prevention and treatment of heritable and genetic disorders.

Students earn a monthly stipend, depending on their educational level. Students are responsible for travel expenses and making their own housing arrangements. Information on local housing options is provided to all students upon their admission to the Summer Internship Program.

Eligibility
• Enrolled at least half-time in high school or college. Graduating high school seniors must provide a letter of admission from the college that they will be attending the following fall.
• Citizens or permanent residents of the United States.
• At least 16 years of age.

Application Deadline: is March 1 of each year (March 1, 2016)

More information: http://www.genome.gov/10000218

**National Human Genome Research Institute**
The National Human Genome Research Institute (NHGRI) coordinated the efforts of the National Institutes of Health (NIH) to sequence the human genome as part of the International Human Genome Project (HGP). This project was successfully completed in April 2003. Now, the NHGRI's mission has expanded to encompass a broad range of studies aimed at understanding the structure and function of the human genome and its role in health and disease.

NHGRI will pay for hotel accommodations, meals and domestic travel both to and from the National Institutes of Health in Bethesda, MD.

Eligibility
Applicants must be enrolled in a PhD or MD-PhD program at an accredited U.S. college or university. This course is intended to encourage participation of students from racial and ethnic groups that have been shown to be underrepresented in health-related sciences on a national basis (See: Women, Minorities, and Persons with Disabilities in Science and Engineering [nsf.gov]). To be eligible, candidates must also be U.S. citizens or permanent residents.

**Application Deadline:** NO UPDATED INFORMATION


**National Institute for Mathematical and Biological Synthesis (NIMBioS)**

The NIMBioS Research Experience for Undergraduates (REU) provides undergrads in math, biology and related fields the opportunity to conduct research in teams with UT professors, NIMBioS researchers, and collaborators on projects at the interface of math and biology. During this eight-week summer program, undergraduates live on the UT-Knoxville campus and work in collaborative teams on a variety of biological research projects using mathematical methods.

**Eligibility:** Students enrolled in an undergraduate program and not scheduled to graduate prior to August 1, 2015 may apply. International students enrolled at undergraduate institutions within the U.S. are welcome. Applicants must be U.S. Citizens, U.S. Permanent Residents, or students on a visa status that allow them to work in the U.S. for this paid internship program (no exceptions). Interested U.S. high or middle school math or science teachers should send an email to Suzanne Lenhart, Associate Director for Education & Outreach. NIMBioS is committed to promoting diversity in all its activities. Diversity is considered in all its aspects, social and scientific, including gender, ethnicity, scientific field, career stage, geography and type of home institution.

**Application Deadline:** February 12, 2016


**National Institutes of Health**

The National Institutes of Health (NIH) Undergraduate Scholarship Program (UGSP) offers competitive scholarships to students from disadvantaged backgrounds who are committed to careers in biomedical, behavioral, and social science health-related research.

The program offers:

- Scholarship support
- Paid research training at the NIH during the summer
- Paid employment and training at the NIH after graduation

The NIH UGSP will pay up to $20,000 per academic year in tuition, educational expenses, and reasonable living expenses to scholarship recipients. Scholarships are awarded for 1 year, and can be renewed up to 4 years.
For each full or partial scholarship year, you are committed to two NIH service obligations. The obligations are actually benefits of the UGSP, providing you with invaluable research training and experience at the NIH.

1. 10-week Summer Laboratory Experience. After each year of scholarship support, you will train for 10 weeks as a paid summer research employee in an NIH research laboratory. This employment occurs after the receipt of the scholarship award. Each scholar will be assigned to an NIH researcher and an NIH postdoctoral fellow, who will serve as mentors. You will also attend formal seminars and participate in a variety of programs.

2. Employment at the NIH after Graduation. After graduation, you will continue your training as a full-time employee in an NIH research laboratory. You must serve 1 year of full-time employment for each year of scholarship.

Eligibility

You must meet all of these requirements in order to be eligible for admission into the UGSP.

- U.S.A. citizen or U.S.A. permanent resident
- Enrolled or accepted for enrollment as a full-time student at an accredited 4-year undergraduate institution located in the United States of America
- Undergraduate University Grade Point Average of 3.3 or higher on a 4.0-point scale or within the top 5 percent of your class
- Having 'Exceptional Financial Need' as certified by your undergraduate institution financial aid office.

<table>
<thead>
<tr>
<th>Persons in Family (Includes only dependents listed on Federal income tax forms)</th>
<th>Family Income Level (Adjusted gross income)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$23,540.00</td>
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<tr>
<td>2</td>
<td>$31,860.00</td>
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<tr>
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</tr>
<tr>
<td>7</td>
<td>$75,460.00</td>
</tr>
<tr>
<td>8</td>
<td>$81,780.00</td>
</tr>
</tbody>
</table>

For families with more than 8 persons, add $8,320 for each additional person.

You are not eligible for the UGSP if any one of the following items pertains to you:

- You are a high school senior
- You have been awarded an undergraduate degree
- You are enrolled in an advanced degree program, such as a master's degree
- You are unable to fulfill the payback requirements
Application Deadline: March 15, 2016 at 11:59pm ET


**National Science Foundation (NSF) Funded Research Experience for Undergraduates**
May 25th to August 1, 2014

Hands-on research in Genomics and Computational Biology will bring participants recruited nationally from underrepresented groups to the University of Georgia campus for 10 weeks in the Summer of 2014.

The balance of the ten weeks will be spent in individual labs developing an independent research project in partnership with a faculty mentor. Individual posters will be completed, and there will be a poster session at the conclusion of the 10 week program.

Each participant will receive a $5,000 stipend toward food and expenses, travel money up to the program limit, a shared dorm room on the same floor with the NSF funded REU programs in Physics and Microbiology, free transportation on campus, lab safety training and preparation to work in any type scientific lab.

**Eligibility**
Applicants must be undergraduate students who are citizens or permanent residents of the United States. Students who have either graduated or recently completed all requirements for their degree are not eligible.

Application deadline: January 25, 2016


**National Science Foundation (NSF) Internship at Brookhaven National Laboratory (BNL)**
The Portal to Discovery at Brookhaven National Laboratory through the Office of Educational Programs designed college internships programs to equip students with the necessary tools that assist in the choice of career options, whether it is entering the workforce as a technician, pursuing an undergraduate degree, or both.

**Supplemental Undergraduate Research Program (SURP)** – Both 2-yr & 4-yr college students can apply to this program.

**Community College Research Program (CCRP)** – Only 2-yr College students can apply to this program.

**College Research Team Program (CRTP)** - Faculty must bring 2 or 3 students as part of the research team.

The following is the cost breakdown for the program:

Travel $500
Housing = $3080 for 10 weeks
Stipend = Scholar - $5000 for 10 weeks
Faculty $13,000 for 10 weeks

Eligibility:

1. Student must be attending an accredited college.
2. Student must be currently enrolled as a full time undergraduate.
3. Student must have a GPA of 3.0.
4. Student must be at least 18 years old, and U.S. citizen or Permanent Resident Alien (PRA) at the time of application
5. Student must have current health insurance coverage
6. Student must be available for the entire length of the program.

Application Deadline: NO UPDATED INFORMATION

Naval Research Laboratory Summer Research Program for HBCU/MI Undergraduates
Research interns are active participants in major research programs. They conduct “hands-on” laboratory research, working a minimum of 40 hours per week under the guidance of senior NRL staff. A 10-week planned research outline of assignments and expectations will be given to each intern by their mentor. In addition to conducting scientific research, the interns are provided the opportunity to attend scientific and skill-set seminars on topics including laboratory safety, ethics in science and engineering, job-search and interviewing skills and resume writing. Interns also sharpen their professional skills by being required to submit short weekly progress reports in addition to a final written project report. At the conclusion of the program, students will prepare written reports and make brief presentations describing their summer's work. along with an oral presentation of their research. Students also participate in graduate school site visits to local universities where open panel discussions with the Dean, graduate students, and professors provide them invaluable information on admissions policies, financial aid, and the lifestyle of a graduate student. To promote student-student interactions and team-building after-hours activities and events are also arranged.

Eligibility
Internships are awarded competitively to students who have completed at least one year of undergraduate training in science, mathematics, or engineering. Preference is given to students planning careers in science, technology, engineering and mathematics (STEM) disciplines. This program is not intended for pre-meds. Prior laboratory experience is desirable. Candidates must be U.S. citizens or have permanent residency, fluent in English and be enrolled at a Historically Black College or University, Minority Institution, or Tribal College or University (complete list of HBCU/MI/TCU’s). Candidates must have a cumulative minimum GPA of 3.0.

Application Deadline: February 5, 2016


New York University School of Medicine
The Sackler Institute of Graduate Biomedical Sciences and the Office of Diversity Affairs invites applications from students to participate in a summer research internship program in the biomedical sciences at NYU Langone Medical Center (NYULMC). The purpose of the program is to give students who may be interested in pursuing careers in the biomedical sciences (PhD, MD or MD/PhD) the opportunity to conduct research and to be exposed to the excitement of an academic medical environment at a major research center. Each student receives a research project with an established scientist mentor and present their work at the end of the program at the Leadership Alliance meeting and at a poster session/reception at NYULMC. Those students who are interested in having a Physician Mentor may request assignment to a physician in an area of medicine of their choice. This student will meet weekly with the physician, attend “Grand Rounds” and clinical conferences, and where applicable, observe the physician with patients. Students also partake in weekly seminar series, lunch discussions with scientists, and events around NYC.

SURP guarantees all participants:

- A payment of $3,500
- Free housing in a NYU facility
- Round-trip travel expenses to New York City

**Program Highlights**

- “hands on” research on a project directed by senior faculty members of NYU Langone Medical Center
- exposure to the practice of medicine at a major teaching hospital by individual physician mentors
- participation in introductory and professional level seminars
- career seminars conducted by deans and other faculty
- a cultural component in which students are escorted to concerts, museums, theater and other events in New York City

**Criteria for Admission**

The program is designed for mature, well-qualified undergraduates who have completed their sophomore or junior year of college. **Qualified applicants should have a competitive GPA and at least 1 full semester of bench laboratory research.** Students are selected based on their academic record, research experience, and letters of recommendation from faculty advisors and/or research supervisors. **Significant importance will be given to their commitment to a career in biomedical research.** This program is open to all U.S. students. Students must commit to participate for the entirety of the summer program.

**Commitment to Minority Student Representation**

The NYU School of Medicine is committed to increasing the number of students from underrepresented groups in the biomedical sciences pursuing PhD, MD or MD/PhD studies. It should also be noted that this program is affiliated with Leadership Alliance.
NIDDK Office of Minority Health Research Coordination Opportunities

The STEP-UP Program provides hands-on summer research experience for high school and undergraduate students interested in exploring research careers. The overall goal of STEP-UP is to build and sustain a biomedical, behavioral, clinical and social science research pipeline focused on NIDDK’s core mission areas of diabetes, endocrinology and metabolic diseases; digestive diseases and nutrition; kidney, urologic and hematologic diseases.

The STEP-UP Program provides research education grants to seven institutions to coordinate three High School STEP-UP Programs and four Undergraduate STEP-UP Programs. STEP-UP is particularly interested in increasing the participation of students from backgrounds underrepresented in biomedical research on a national basis, including individuals from disadvantaged backgrounds, individuals from underrepresented racial and ethnic groups, and individuals with disabilities.

Eligibility

- Be a U.S. Citizen, non-citizen national, or legal permanent resident
- Be 16 years of age or older and either be enrolled in high school or an accredited U.S. college or university, or plan to be enrolled in the fall
- If a high school student, be in their junior or senior year of high school, during the application period
- If an undergraduate student, be currently enrolled as a full-time student at a U.S. accredited 2-year or 4-year college or university
- Have a minimum overall GPA of 3.0 or better (on a 4.0 scale), although exceptions may be granted
- Have personal medical/health insurance coverage throughout the duration of the program (exceptions will be granted for students living in the Pacific Islands)

Applicants must also meet one or more of the following criteria:

- Come from racial and ethnic groups that have been shown by the National Science FoundationExternal Link Disclaimer to be underrepresented in biomedical sciences on a national basis
- Come from a disadvantaged background as defined by annual family income and/or be the first generation in their family to graduate from a four-year college or university
- Have been diagnosed with a disabilityExternal Link Disclaimer that substantially limits one or more major life activities

Application Deadline: February 15, 2016

NIDDK Diversity Summer Research Training Program (DSTRP) for Undergraduate Students
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) through the Office of Minority Health Research Coordination invite students to submit their application for the Summer Research Training Program.

The overall goal of this program is to build and sustain a biomedical, behavioral, clinical and social science research pipeline focused on NIDDK mission areas. The NIDDK Diversity Summer Program is particularly interested in increasing students from backgrounds underrepresented in biomedical research, including individuals from disadvantaged backgrounds and individuals from underrepresented racial and ethnic groups.

Eligibility
- Undergraduate students who have completed at least 1 year at an accredited institution
- U.S. Citizen or permanent resident status
- Minimum of 3.0 GPA
- Health Insurance coverage

Application Deadline: February 15, 2016

More Information about DSTRP: http://www2.niddk.nih.gov/OMHRC/OMHRCResearchTrainingForStudents/OMHRCSIPProgram

NIEHS Summer Internship Program
Summer programs at the National Institutes of Health (NIH) provide an opportunity to spend a summer working at the NIH side-by-side with some of the leading scientists in the world, in an environment devoted exclusively to biomedical research. The NIH consists of the 240-bed Mark O. Hatfield Clinical Research Center and more than 1200 laboratories/research projects located on the main campus in Bethesda, MD and the surrounding area as well as in Baltimore and Frederick, MD; Research Triangle Park, NC; Hamilton, MT; Framingham, MA; and Detroit, MI. NOTE: the number of positions in Hamilton, Framingham, and Detroit is limited.

Eligibility
The Summer Internship Program is for students who are at least sixteen years of age or older at the time they begin the program. To be eligible, candidates must be U.S. citizens or permanent residents. U.S. citizens are eligible to apply if they are enrolled at least half-time in high school or an accredited college or university as undergraduate, graduate, or professional students. Students who have been accepted into an accredited college or university program may also apply. Permanent residents must be enrolled in or have been accepted into an accredited institution in the U.S. to be eligible.

Application Deadline: March 1, 2016

More information: https://www.training.nih.gov/programs/sip
**Novartis Institutes for BioMedical Research**

Our highly competitive Scientific Summer Scholars Program (June 2 - August 8, 2014) provides research training opportunities for talented students to gain research experience, enhance their preparation in applying to top biomedical graduate and professional programs, and expose them to NIBR's approaches to patient-driven research. Scholars work on their own project with the guidance of a NIBR scientist. NIBR's research covers many disease, science, and technology areas that allow us to closely match your specific interests with one of our labs.

**Programming:** As a Scholar, you will work on your own project with the guidance of a NIBR scientist as well as participate in professional development and social activities (events vary depending on the site):

- **Research project:** designing and executing experiments; analyzing your own data, learning new experimental techniques, and building your understanding of scientific concepts
- **Scientific development:** learning about drug discovery projects from experts; showcasing your results to the broader NIBR community; evaluating scientific articles in a fun and interactive setting
- **Professional development:** engaging in graduate/professional school preparations; cultivating your network with fellow scholars and NIBR scientific leaders; gaining insight into how our community channeled their scientific interests into various career objectives
- **Social activities:** fostering collegial interactions during a scavenger hunt at a local museum, welcome and farewell events, and NIBR-wide ice cream socials

**Eligibility:**

Students who have completed their sophomore year in college or university but not have graduated from a Master's degree program prior to the start of the scholars program, are welcome to apply. Ph.D. and M.D. students are not eligible for this program. Applicants must attend a university in a U.S. state or territory and be eligible to work in the United States. Students should have a strong desire to pursue graduate-level education in biological sciences, chemistry or computational sciences and have at least a G.P.A of 3.3 out of a 4.0 scale.

**Application Deadline:** December 15, 2015

More information: [https://www.nibr.com/careers/students-scholars](https://www.nibr.com/careers/students-scholars)

**NSF-STC Center on Materials and Devices for Information Technology Research (CMDITR)**

“Hooked on Photonics” **Grant no longer active**

Open to freshmen, sophomores and juniors, and seniors graduating after the program begins

Research sites are located at three universities:

- **University of Washington** in Seattle
- **University of Arizona** in Tucson
- **Georgia Institute of Technology** in Atlanta

Program dates differ according to research site:

- Georgia Tech: May 20, 2013 - July 26, 2013
- University of Arizona: June 3, 2013 - August 7, 2013
- University of Washington: June 24, 2013 - August 23, 2013
Application deadline: NO UPDATED INFORMATION

More information: http://stc-mditr.org/students/REU/index.cfm
Website does not work

NSF-STC Emergent Behaviors of Integrated Cellular System (EBICS)
EBICS announces its "Engineering Biological Machines” REU program for the summer of 2014. The REU is a summer research program that will fund undergraduate students assigned to EBICS labs at each primary institution: Georgia Institute of Technology, Massachusetts’s Institute of Technology, and the University of Illinois at Urbana-Champaign.

REU Program Highlights:

- 10 weeks of full time undergraduate research at MIT, UIUC, or Georgia Tech.
- $4500 stipend per student.
- Allowance for travel expenses, on campus housing and meals.
- Grad school prep, faculty mentoring, professional development and social engagement with other students on campus.
- Scientific papers, oral and/or poster presentations at the end of the summer.

Eligibility
Applications will be accepted from any student currently enrolled in a science or engineering undergraduate program (biology, chemistry, physics, materials science, bio-engineering, computer science, and related fields).
Students from underrepresented minority groups, women, and individuals with disabilities are strongly encouraged to apply.
United States citizenship or permanent residency is required.

Application Deadline: February 15, 2015

More information: http://ebics.net/diversity/reu/summer-2015-program

NSF Minorities in Marine and Environmental Sciences (MIMES)
In 2014, this 12-week paid summer internship will be from May 18, 2015 - August 7, 2015, with the grant covering the costs of return travel to and from Charleston, dormitory housing with the College of Charleston, a $4,500 stipend and any associated individual intern research project costs (up to $500 per student). Each intern will receiving expert training in the key professional skills needed to pursue graduate school and/or a career in the marine and environmental science disciplines, design and complete an individual research project under the guidance of their mentor(s), and will present their findings to their peers and the Fort Johnson research community at the end of the program in a one-day colloquium setting.

Eligibility: Applications will be accepted from science majors who have at least a 2.5 GPA in their major courses (2.0 overall)

Application Deadline: March 13, 2015
NSF Summer Undergraduate Research Experiences in Chemistry Program
CSURP is a program for undergraduate students, majoring in chemistry or chemical engineering, interested in conducting supervised summer research. The program is supported by the Center for Selective C-H Functionalization (CCHF), which is a network of 23 academic and industrial research laboratories at 15 partner institutions throughout the country. The CCHF is one of eight National Science Foundation (NSF) funded Centers for Chemical Innovation. CSURP Fellows:

- Engage in innovative, cutting edge research
- Interact with prominent leaders in the field
- Participate in all phases of the research process
- Attend seminars, workshops, career planning sessions and other professional development opportunities
- Receive a minimum stipend of $5,000
- Receive campus housing or a housing allowance
- Receive training in science communication
- Participate in seminars with other CSURP fellows across the country

Eligibility:
- Applicants must attend an accredited US college or university
- Undergraduate students from underrepresented groups in the chemical sciences are strongly encouraged to apply

Application Deadline: February 8, 2016


Ohio State University SROP Program
The Summer Research Opportunities Program (SROP) is a gateway to graduate education at CIC universities. The goal of the program is to increase the number of underrepresented students who pursue graduate study and research careers. SROP helps prepare undergraduates for graduate study through intensive research experiences with faculty mentors and enrichment activities.

Eligibility
Students wishing to participate in SROP must meet all of the following criteria:

- Have a cumulative GPA of 3.0 or higher (4.0 scale)
- Be a citizen or a permanent resident of the U.S.
- Be enrolled in a degree-granting program at a college or university in the United States, Puerto Rico, or other U.S. territory
- Have completed at least two semesters of undergraduate education by the time of the summer experience
- Have at least one semester of undergraduate education remaining after completing the summer research experience
- Have a strong interest in pursuing a Ph.D.

**Application Deadline:** February 10, 2016

More information: [www.cic.uiuc.edu/programs/srop](http://www.cic.uiuc.edu/programs/srop)

**OK EPSCoR Summer Research Experience for Undergrads**
REU awards provide funding that allows undergraduate students from institutions across the state to perform research at Oklahoma’s comprehensive research campuses (OU, OSU, TU, SRNF) during the summer months. Students benefit from hands-on research experiences in STEM fields and one-on-one guidance from faculty mentors through the program.

**Types of Research Funded**
- Award preference will be given to research in the field of CLIMATE VARIABILITY
- Areas of STEM research other than climate variability will be considered
- Medical research does not qualify for funding
- Current NSF REU grant funding is NOT required

**Budget**
- Maximum allowable budget is $5,000
- Budget must be used for the benefit of the student’s research (i.e., stipend, lab supplies, IDC, etc.)

**Application Deadline:** February 1, 2016


**Oregon State University Eco-Informatics Summer Institute**
Will be updated end of Jan 2016
Building on the interdisciplinary Long-Term Ecological Research (LTER) program at the H.J. Andrews Forest and its information management program, this Summer Institute will (1) train and promote discovery in young scientists who will make basic contributions to ecosystem science, computer science, and mathematics through team-based research and education; (2) promote the pursuit and success of a diverse group of students seeking higher education and research experience in Eco-Informatics, and (3) provide graduates to work in interdisciplinary settings on natural resources management and policy.

**Eligibility**
Students must be U.S. citizens or permanent residents of the United States or its possessions. Undergraduate students must have completed their sophomore year. An undergraduate student is a student enrolled in a degree program (part-time or full-time) leading to a baccalaureate. Students who have received associate degrees and are transferring from one institution to another but are enrolled at neither institution during the intervening summer are eligible to participate. Someone who has completed an undergraduate degree and is expecting to enter graduate school for this coming fall IS NOT eligible.
Application Deadline: February 15, 2015

More information: http://eco-informatics.engr.oregonstate.edu/index.html

Pathways to Science
AGEP alliances consist of institutions dedicated to supporting underrepresented minority students, women, and students with disabilities to complete advanced degrees in the STEM fields. Alliances provide a variety of support programs including research support, professional development and mentoring, as well as cultural and social activities.

For undergraduates:
Paid Summer 2015 Undergraduate Research Placements:
Over 800 programs – REU, NASA and other paid summer research opportunities for undergrads

For more information:

For Financial Support in Graduate School:
Fellowships and graduate programs in a wide variety of STEM disciplines:
http://www.pathwaystoscience.org/grad.aspx

For tips on applying and associated resources:

For opportunities specifically in the Ocean Sciences:
http://www.pathwaystoscience.org/oceanscience.aspx

For opportunities specifically in Engineering:
http://www.pathwaystoscience.org/engineering.aspx

Penn State Research and College Expo
The College of Health and Human Development and College of Nursing invite juniors/seniors from traditionally underrepresented groups with solid records of academic achievement (GPA>3.25) and who are committed to research and education to attend an all-expenses-paid conference and expo to learn about opportunities for graduate study in a college whose mission is to improve the health of individuals and communities, as mandated in the nation’s Healthy People 2020.

Application deadline: NO UPDATED INFORMATION

More information: www.hhd.psu.edu/gradexpo

Pharmacology Summer Undergraduate Research Fellowship Program
The Department of Pharmacology has a ten-week summer research program that will run June 3, 2013 to August 9, 2013. The summer program offers participants a variety of experiences that will help prepare them for success in research-intensive doctoral programs. Participants will have research responsibilities, attend seminars, actively participate in a student journal club and take part in formal course work.

**Eligibility**

Applicants to the summer program must be classified as undergraduate students, have a grade point average of 3.0 or higher, and have completed at least one semester each of college level Biology and Chemistry by the end of the spring semester of the year of application. Although all interested individuals are encouraged to apply, preference will be given to students who are considering applying to a Ph.D. program in Pharmacology or the Biomedical Sciences.

Application deadline: **NO UPDATED INFORMATION**

More information: [http://pharmacology.uthscsa.edu/summer.asp](http://pharmacology.uthscsa.edu/summer.asp)

**POETS Summer 2016 REU Program**

Calling on engineering undergraduate students to help increase the power density of current mobile electrified systems by 10-100 times the current state of the art!

A 10 week research experience at a POETS facility for summer 2016 featuring:

- Hands-on research
- Faculty/peer mentoring
- Professional development
- Networking
- Stipend
- Travel support
- On-campus housing
- Meals

Who should apply?

- Undergraduates majoring in science, technology, engineering or mathematics (STEM) disciplines
- Students with an average GPA of 3.0/4.0 or higher
- U.S. citizenship/national or permanent residency is required
- Students from underrepresented minority groups, women, or veterans are strongly encouraged to apply

Participating institutions are Howard University, Stanford University, University of Arkansas, and University of Illinois.

Application Deadline: March 1, 2016

Post-baccalaureate Training in Infectious Diseases Research

If you are a student with a strong interest in infectious diseases, this program offers you a bench science experience in any one of a number of research laboratories conducting cutting-edge research across a broad and exciting array of disease problems. This experience will prepare you for graduate training and a successful career in science. We are committed to helping you to prepare an application that will be competitive for the very best PhD and MD/PhD programs in the US.

Eligibility:

- U.S. citizen or national or permanent resident of the US
- Documented membership in group that has traditionally been underrepresented in biomedical science careers (racial/ethnic minorities, persons with disabilities.) According to the most recent data, the following racial and ethnic groups have been shown to be underrepresented in biomedical research: African Americans, Hispanic Americans, Native Americans, Alaskan Natives, Hawaiian Natives, and natives of the U.S. Pacific Islands.)
- No more than 36 months past baccalaureate graduation (from an accredited US college or University) as of July 1, 2015, and not currently enrolled in a graduate program.
- Baccalaureate degree must be in a relevant life sciences discipline
- Intend to apply to a leading PhD or MD/PhD program during the PREP training period
- Willingness to sign Scholar Mentor Contract

Application Deadline: April 1, 2016
For More information: http://prep.uga.edu/

Proctor & Gamble: Research your Future in Science site will be updated soon

The Research Your Future in Science Seminar is a 3-4 day, all expenses paid event, held at P&G headquarters in Cincinnati, Ohio. Attendees will participate in hands on experimentation, tours, and presentations at P&G technical facilities within the different areas of R&D (i.e. Product Research, Process Development, etc). The opportunity will also be available to network with P&G Researchers, Research Managers, and other top science students from other colleges. The seminar will give you an in-depth look into research at P&G.

Eligibility:

- Current enrollment and good standing in a Science or Engineering Technology related discipline [i.e., Chemistry, Biology, Biochemistry, Life Sciences, Chemical Engineering Technology (CET), Mechanical Engineering Technology (MET), etc.].
- Demonstrated lab/research experience is required.
- Leadership experience is desired.
- Technical expertise is also desired.
- Career interest in R&D at P&G is a plus.

Application deadline: April 24, 2015

More information: http://us.pgcareers.com/students/research-development-programs/
Population Biology of Infectious Diseases REU Site at UGA

The Population Biology of Infectious Diseases REU Site is a nine-week NSF-funded University of Georgia program to train undergraduates in scientific methods at the intersections of quantitative and experimental studies in infectious disease biology.

Application Deadline: February 15, 2016


Purdue University

The Purdue SROP has the goal of enhancing diversity in academic, government, and industry positions that require graduate degrees. It is our aim to encourage talented undergraduate students from social and economic backgrounds that are underrepresented in research careers to pursue graduate education, and to enhance their preparation for graduate study. This program involves intensive research experiences with faculty mentors. All qualified students, including but not limited to African American, Asian American, Hispanic American, and Native American, are encouraged to apply. Participants will be selected on the basis of their interest in pursuing a doctoral degree, relevant college coursework and grades, letters of recommendation, and their ability to contribute to the goal of the program. The program is supported by the Graduate School, Center for Cancer Research, Alliance for Graduate Education and Professoriate and other groups on the Purdue campus.

Eligibility

- are currently enrolled in a degree granting program at a U.S. college or university;
- have a minimum grade point average of 3.0 on a 4.0 scale;
- have an interest in pursuing graduate education; and
- are available to participate in the entire eight-week summer program.

Application Deadline: March 1, 2016


QoLT Quality of Life Technology Center

QoLT is a unique partnership between Carnegie Mellon and the University of Pittsburgh that bringstog ether a cross-disciplinary team of technologist, clinicians, industry partners, end users, and other stakeholders to create revolutionary technologies that will improve and sustain the quality of life for all people

Undergraduates: Students complete a 10 week project with the goal of submitting a technical paper to a professional conference
Graduate Student: Masters fellowships are available to qualified candidates. All PhD candidates receive full funding.

Veterans: Experiential Learning for Veterans I Assistice Technology & Engineering (ELeCate) is a program designed to re-integrate veterans into college. Veterans complete a ten-week paid research experience, work on a team project, and learn 21st century skill in workshops necessary to succeed in college and beyond.

Post Docs: Postdoctoral Fellows receive training in health and rehabilitation sciences, gain experience working in a clinical setting, and develop technologies for persons with disabilities and older adults. Fellowships are available to highly qualified applicants with an engineering or technical background.

**Application Deadline:** NO UPDATED INFORMATION

More information: [www.qotl.pitt.edu](http://www.qotl.pitt.edu) site does not work

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**Rensselaer Polytechnic Institute**

The Summer Undergraduate Research Program (SURP) is a unique, exciting opportunity for students to spend the summer months immersed in leading-edge research with their faculty advisor.

Application to the 10-week, full-time program begins with the submission of a research proposal that is competitively reviewed by a panel of faculty members.

**Application Deadline:** NO UPDATED INFORMATION

More information: [http://admissions.rpi.edu/undergraduate/academics/research.html](http://admissions.rpi.edu/undergraduate/academics/research.html)

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**Research Experience for Undergraduates**

Recruiting highly motivated undergraduate students – with an emphasis on female and minority students – for hands-on and interdisciplinary research experience at the interface of nanotechnology and biomedicine in Summer 2015

**Program Dates:**

May 25 – August 1, 2015

**Research Opportunities:**

Students will participate in interdisciplinary research projects that apply nanotechnology to biomedical problems. Each student will be co-mentored by a pair of faculty from both engineering and biomedical disciplines.

**Program Activities:**

Weekly career seminar, graduate school application preparation, interaction with eminent nanotechnology scientists, podium and poster presentations, etc.

- Receive $5000
• Conduct Nano/Bio Research
• Visit Research Facilities
• Present at Symposium
• Attend Career Seminars

To apply and for more information: [http://www.genetics.uga.edu/undergrad_NB.html](http://www.genetics.uga.edu/undergrad_NB.html)

**REU in NANOTECHNOLOGY: The 2015 Summer Undergraduate Research Experience (SURE) in Nanoscale Science & Engineering June 1 - August 8, 2015**

If you're interested in nanotechnology and want to get a head start on an exciting career, then apply today to the SURE program—a ten-week summer undergraduate research program in Nanoscale Device Development at UMass Amherst. You will work on real cutting-edge research projects with faculty mentors and graduate student lab mates as you build your own scientific foundation for the future.

Women and underrepresented minority students are strongly encouraged to apply. Undergraduate majors in Chemical Engineering, Chemistry, Electrical & Computer Engineering, Mechanical & Industrial Engineering, Physics, and Polymer Science & Engineering are recommended for the program.

- Ten weeks, June 1 - August 8, 2015
- Competitive stipend
- Free housing in our newest dorms
- Free travel to and from campus
- Field trips and outside activities
- APPLICATION DEADLINE: FEBRUARY 28, 2015

To apply and for more information: [http://www.umass.edu/massnanotech/SURE.htm](http://www.umass.edu/massnanotech/SURE.htm)

**REU Site in Climate Science at Colorado State University**

REU stands for Research Experiences for Undergraduates and is a National Science Foundation sponsored program.

ESMEI offers paid summer undergraduate research internships at Colorado State University in the Department of Atmospheric Science. Interns participate in a 10 week program from late May through July. This is an exciting research opportunity in beautiful Fort Collins, Colorado. Join world-class atmospheric scientists investigating the science of clouds, climate and climate change, weather, and modeling. During our program interns have the opportunity to attend scientific seminars, visit national scientific laboratories, and participate in a variety of professional development training.

**Eligibility**

- Be a U.S. citizen
- Have completed at least two years of college
- Have a cumulative GPA of 3.0 or higher
- Have an interest in learning about climate and weather
2016 National Summer Research Opportunities in STEM

- Have a major in atmospheric science or a related field such as meteorology, geosciences, chemistry, computer science, earth science, engineering, environmental science, mathematics or physics
- Be considering a career in atmospheric science or related field

Application Deadline: Friday February 5, 2016 11:59 pm MST

More information: [http://kiwi.atmos.colostate.edu/esmei/reu.html](http://kiwi.atmos.colostate.edu/esmei/reu.html)

**RiSE at Rutgers and UMDNJ**

RiSE (Research in Science and Engineering) is sponsored by Rutgers University, one of the nation's leading public research institutions. We choose 50 outstanding undergraduates from across the U.S. and its territories to participate in 10 weeks of cutting-edge research in the biological, physical, and social sciences, math, engineering, and exciting interdisciplinary areas under the guidance of a carefully matched faculty mentors. RiSE alumni have an outstanding record of success!

**Eligibility**
- first generation to college
- have limited opportunities for intensive research at your home university
- have followed a non-traditional path to college or have faced life challenges
- Completion of at least the sophomore year by June 2013. Under some circumstances, we will consider current first-years with outstanding credentials.
- Minimum GPA of B (3.0/4.0), although exceptions may be granted. Admission is highly selective, and successful applicants typically have excellent academic records.

Application Deadline: Rolling admission! Apply ASAP!

More information: [http://rise.rutgers.edu](http://rise.rutgers.edu)

**REVAMP Research Experience for Student Veterans in Advanced Manufacturing and Entrepreneurship**

The Georgia Tech Manufacturing Institute (GTMI) is happy to announce that it is now accepting student applications for the summer 2015 Research Experience for Student Veterans in Advanced Manufacturing and Entrepreneurship (REVAMP) REU program. REVAMP is a 10-week National Science Foundation (NSF) Research Experience for Undergraduates (REU) summer internship program hosted at GTMI in Atlanta, Georgia. Students work under the supervision of a faculty mentor to complete a research project centered on cutting-edge manufacturing science and technology. They also receive entrepreneurship training through seminars and the development of a plan for commercializing a technology related to their research.

- Dates: 10-week program to be held from May 26, 2015, to July 31, 2015
- Location: GTMI, on the Georgia Tech campus in Atlanta, GA
- Benefits to students:
  - $5000 Stipend
  - On-campus housing provided
$500 support towards travel
Hands-on manufacturing research experience
Manufacturing-related seminars and company visits
Entrepreneurship training
Professional development
Conference opportunities

Application deadline: February 29, 2016

More information: http://www.manufacturing.gatech.edu/revamp-nsf-reu

**SLAC National Accelerator Laboratory**

STAR is a nine-week paid summer research experience program for aspiring K-12 STEM teachers from any California State University (CSU) Campus or Noyce Scholars from any US university. Undergraduates on a teaching path, STEM undergraduates seriously considering a career in teaching, masters students, or credential candidates who want to be the best STEM teachers with the most real-world science, technology, engineering, and math experience on their resume' compete to become STAR Fellows.

This is the deal. You spend nine summer weeks working full-time with a research team on cutting edge projects. You work hard, challenging yourself and learning new skills while advancing real science in a field that interests you. You meet fabulous people and immerse yourself in the culture of science. Each week you participate in an education workshop focused on transferring your lab or field experience to the classroom. Finally, you share your knowledge at two conferences. Our funding partners pay you a weekly stipend for your work, the labs get you to help answer pressing questions, and -most importantly- your students get a teacher that knows how science works in the real world. Everybody wins!

**Eligibility**

STAR applicants must meet all of the following eligibility requirements in order to apply for the program:

- A demonstrated interest in becoming a science or mathematics teacher at the secondary level (grades 6-12)
- Either a California State University (CSU) student OR an NSF Noyce Scholar in the United States OR a STAR Alum with two or fewer years of participation
- Major or undergraduate coursework in science, engineering or mathematics
- At least junior standing with strong science and mathematics course background
- A minimum GPA of 3.0 is preferred, applicants below 2.7 will not be considered
- U.S. citizenship or resident alien status

Application Deadline: January 15, 2016

**SOARS: Significant Opportunities in Atmospheric Research and Science**

Each summer, SOARS protégés spend ten weeks conducting original research at the National Center for Atmospheric Research (NCAR) or at laboratories of other SOARS sponsors. By the end of the summer, protégés will prepare scientific papers and present their research at a colloquium. SOARS protégés can participate for up to four summers so that they can explore the breadth of geoscience and transition smoothly into graduate school.

**Eligibility**

- Have completed the equivalent of two years of college
- Have at least one semester of undergraduate studies remaining after the initial summer program
- Have a cumulative GPA of 3.0 or higher
- Have a major in atmospheric science or a related field such as the geosciences, biology, chemistry, computer science, earth science, engineering, environmental science, mathematics, meteorology, oceanography, physics, or social science; plan to pursue a career in atmospheric or a related science
- Have U.S.-citizen or permanent-resident status

**Application Deadline:** February 1, 2016


**Stanford University**

**Medical Center Summer Research Program**

The SSRP-Amgen Scholars Program is a research-intensive residential program that takes place on Stanford's beautiful campus for a nine-week period. Participant are matched with a member of Stanford’s distinguished faculty and work in one of Stanford’s state-of-the-art research facilities. Each participant works with both a faculty member and a lab mentor to craft a research project.

**Eligibility:**

- Be a sophomore, junior, or non-graduating senior
- Have completed at least 3 semesters or 4 quarters of their undergraduate degree
- Be enrolled in a 4-year undergraduate institution in the U.S.
- Be an American citizen or permanent resident
- Be students who, by reason of their culture, class, race, ethnicity, disability, background, work and life experiences, and/or skills and interests would bring diversity to graduate study in the biomedical and biological sciences.

**Application Deadline:** February 1, 2016

More information: [http://ssrp.stanford.edu](http://ssrp.stanford.edu)

**Humanities and Social Sciences The Leadership Alliance Mellon Initiative**
This initiative provides an intensive faculty-mentored eight week (June 25-August 18) residential summer research experience to students interested in doctoral study in the humanities or social sciences. Interested students should apply through the Leadership Alliance SR-EIP online application.

Application Deadline: February 1, 2016

More information: [http://www.theleadershipalliance.org](http://www.theleadershipalliance.org)

**The Leadership Alliance Summer Research Early Identification Program (SR-EIP)**

The Leadership Alliance-Stanford University SR-EIP for underrepresented and underserved students is a fully funded residential research program offering undergraduates the opportunity to work for eight weeks (June 25-August 18) under the guidance of a faculty or research mentor in the arts & humanities, social sciences, math, physics, statistics, earth sciences, or engineering.

Application Deadline: February 1, 2016.

More information: [http://www.theleadershipalliance.org](http://www.theleadershipalliance.org)

**Summer Undergraduate Research in Geoscience and Engineering (SURGE)**

SURGE is a fully funded 8-week, comprehensive research, training and mentoring summer residential program for rising junior and senior undergraduates. Research areas include the Earth, Energy, and Environmental Sciences. SURGE focuses on preparing students for graduate school and targets U.S. or international citizens enrolled in U.S. undergraduate institutions, who, by reason of their culture, class, race, ethnicity, background, or life experiences, would add diversity to the field.

Application Deadline: January 29, 2016


**Stanford Linear Accelerator Center (SLAC) Undergraduate Internships**

This program offers twenty students an eight week paid internship at the Stanford Linear Accelerator Center (SLAC) in Menlo Park, California. Students work with a scientist or engineer on a project related to the laboratory's research program. Students also participate in a program of scientific lectures and tours to local Silicon Valley high-tech industry. Free housing on Stanford campus, transportation, and a stipend are offered to selected students.

Application Deadline: NO UPDATED INFORMATION


**Stanford Nanofabrication Facility Research Experience for Undergraduates (REU) Program**

This program offers five to ten students an opportunity to spend ten weeks doing research at a state-of-the-art nanotechnology fabrication facility under the direction of faculty research mentors. Travel and housing costs are covered and a stipend is offered to selected students. An application should be
submitted through the National Nanotechnology Infrastructure Network site: http://www.nnin.org/nnin_reu.html

Application Deadline: NO UPDATED INFORMATION

More information: http://snf.stanford.edu/education/undergraduate.htm

St. Jude Children’s Research Hospital Pediatric Oncology Education (POE) Program
The Pediatric Oncology Education program at St. Jude Children’s Research Hospital is funded by the National Institutes of Health / National Cancer Institute. The POE program offers a unique opportunity for students preparing for careers in the biomedical sciences, medicine, nursing, pharmacy, psychology, or public health to gain biomedical and oncology research experience. The POE program provides a short-term training experience (internship) in either laboratory research or clinical research.

A primary goal of the program is to encourage students to pursue a career in cancer research, either as a laboratory-based scientist or a physician scientist. Thus, qualified students with an interest in cancer research are particularly encouraged to apply.

Departments or divisions include anesthesiology (medical students only), cell & molecular biology, chemical biology & therapeutics, developmental neurobiology, diagnostic imaging (medical students and physics or biomedical engineering majors only), epidemiology and cancer control (medical students), oncology (a few clinical positions for medical students and a few lab positions for others), immunology, infectious diseases, neuro-oncology (one medical student only), nursing research (nursing majors only), pathology, pharmaceutical sciences, psychology (psychology majors only), radiation oncology (medical students and physics or biomedical engineering majors only), and structural biology.

Students participating in the Pediatric Oncology Education program will receive training in a superb academic environment created by the interaction of committed basic scientists, research-oriented physicians, and postdoctoral fellows. Depending on their special interests, trainees will spend their rotations in a clinical research or a laboratory research setting. Trainees will be matched with a faculty mentor who shares their research interests and will participate in the mentor's ongoing research projects. Trainees are required to attend a core lecture series ("Lunch & Learn") designed specifically for them, as well as other weekly St. Jude conferences, including leukemia-lymphoma conference and tumor board.

Fifty-one US citizen students from 39 schools in 20 states and the District of Columbia participated in POE 2014. Their average undergraduate GPA was 3.80 on a 4.0 scale. They included 17 medical students, 30 undergraduates (including May 2014 graduates), two graduate students, one PharmD student, and one first-year post-baccalaureate student. Ten 2014 participants were prior class members returning for an additional POE rotation.

Please note that the POE program is a PRE doctoral program. Anyone who holds a doctoral degree (e.g. MD, PhD, PharmD, etc.) is NOT eligible for the POE program and should NOT apply. MDs who have completed residency training in Pediatrics may be eligible for our Pediatric Hematology-
Oncology Fellowship Training Program. Qualified non-US physicians may be eligible to visit St Jude through our International Outreach Program.

**Eligibility**
Trainees **MUST** be a United States citizen, non-citizen national, or possess a visa permitting permanent residence in the United States. Most POE students are highly qualified undergraduate or graduate students preparing for careers in medicine or biomedical sciences. A few are attending or have been accepted into graduate, medical, pharmacy, or nursing school. POE applicants **MUST** have an undergraduate GPA of at least a 3.40/4.00 in math and science (biology, chemistry, physics) **AND** at least a 3.40 overall. Medical, pharmacy, and graduate students must also meet the undergraduate GPA requirements. Applicants must have research experience and be in at least their sophomore of college year when they apply. At least one letter of recommendation must be from a research mentor. Medical student applicants must be attending a US medical school. There are **NO EXCEPTIONS** to these requirements.

**Application Deadline:** February 1, 2016

More information: [http://www.stjude.org/poe](http://www.stjude.org/poe)

**Summer Medical and Dental Education Program**
The SMDEP program offers students a variety of academic and career experiences that will support their dental and medical school career preparation.

- Academic enrichment in the basic sciences and quantitative topics
- Learning-Skills Development-including study skills and methods of individual and group learning
- Clinical exposure through small-group clinical rotations and full-group clinician seminars. This is limited to 5% of program time for all the sites
- Career development, including the exploration of the medical and dental careers, other health professions and an individualized education plan to identify other appropriate enrichment activities
- Financial planning workshop and health policy seminars

All the housing costs and most meals are covered by the program. Scholars are provided with a $600 stipend which is typically distributed at the midway and at the end of the program. Some program sites offer travel assistance awards. The Robert Wood Johnson Foundation also provides a needs-based scholarship for travel to and from the program site.

**Eligibility**
To be eligible for SMDEP, an applicant must:
- be currently enrolled as a freshman or sophomore in college;
- have a minimum overall GPA of 2.5;
- be a U.S. citizen or hold a permanent resident visa; and
- not have previously participated in SMDEP.

Other factors considered in the admissions process include whether an applicant:
- identifies with a group that is racially/ethnically underrepresented in medicine and/or dentistry (as defined independently by each program site);
comes from an economically or educationally disadvantaged background;
has demonstrated interest in issues affecting underserved populations; and
submits a compelling personal statement and strong letters of recommendation.
Each SMDEP site makes its admissions decisions on a “first come, first served” basis, therefore applying as early as possible increases your chance of being selected at your designated program site(s).

Students should contact their school’s health professions advisor or career counselor for advice on choosing which summer to apply to SMDEP and for other information about a career in the health professions.

**Application Deadline:** March 1, 2016


**Summer Undergraduate Research Program at NYU School of Medicine**
SURP gives students who may be interested in pursuing careers in the biomedical sciences (PhD, MD, or ME-PhD) the opportunity to be exposed to the excitement of an academic medical environment at a major research institution. Students may work with faculty in the disciplines of: Biochemistry, Computational Biology, Molecular Oncology, Stem Cell Biology, Cellular & Molecular Biology and much more!

For more information, visit: [http://sackler.med.nyu.edu/surp](http://sackler.med.nyu.edu/surp)

This program is multi-faceted. It includes: “hands on” research on a project directed by senior faculty members at NYU; exposure to the practice of medicine at a major teaching hospital by individual physician mentors; participation in introductory and professional level seminars; career seminars conducted by deans and other faculty regarding opportunities available in the biomedical sciences and how to apply to specific programs; and, a cultural component in which the program makes it possible for students to explore New York City with trips to concerts, museums, theater, and other events throughout the summer. Trainees will receive:

- $3,500 honorarium
- Round-trip travel expenses to New York City
- University Housing

If you have any questions, call 212.263.3031

Applications available now until **January 19, 2016** (11:59 pm EST)

**Synthetic Biology Engineering Research Center (SynBERC)**
**NO longer offered, center will be ending on June 30, 2015.**

SynBERC runs a nine-week summer research program that provides undergraduates with basic training in lab fundamentals, exposes them to core concepts of synthetic biology, and engages them in mentored research in the collaborative environments of individual faculty labs. Participants spend the first week in a [Lab Fundamentals Bootcamp](http://sackler.med.nyu.edu/surp) that covers basic lab and research skills, and the following eight weeks in mentored research in a SynBERC faculty lab. A graduate student or
postdoctoral fellow serves as the student's research mentor throughout the summer. Students spend at least 40 hours a week on their research project. At the end of the summer, each student produces a written report or a poster outlining his/her research results. Selected students receive a weekly stipend and college course credit. Limited funding is available for housing/travel subsidies.

**Eligibility**
- Commit to nine-weeks of full-time research over the summer
- Be a sophomore (with at least four quarters or 3 semesters of college experience), junior, or non-graduating senior who is planning to return to undergraduate studies in the fall semester
- Be a US citizen or permanent resident
- Have a cumulative GPA of 3.5 or higher
- Be interested in pursuing a Ph.D.

**Application Deadline:** NO UPDATED INFORMATION


**Syracuse University LSAMP Summer REU Program**
The Syracuse University Louis Stokes Alliance for Minority Participation (LSAMP) Research Program is a paid summer research opportunity that provides undergraduate scholars with the opportunity to work with distinguished faculty and staff as well as network with others in their field of interest. Scholars have the opportunity to conduct and present research over a ten-week period under the direction of a faculty research mentor at Syracuse University. Through this program, scholars will gain theoretical knowledge and practical training in academic research and scientific experimentation. The SU LSAMP research program was developed to aid in the retention of traditionally underrepresented groups in science, technology, engineering, and mathematics (STEM).

**Eligibility**
- Students must be a U.S. Citizen or Permanent Resident and African American, Latino, American Indian/Alaska Native, Native Hawaiian or Native Pacific Islander.
- Applicants must be in good academic standing with a GPA of 2.80 or better
- Have completed at least two semesters of college

**Application deadline:** March 7, 2015


**Team for Research in Ubiquitous Secure Technology (TRUST)**
The TRUST Research Experiences for Undergraduates (TRUST REU) is a nine-week summer program in Cybersecurity, Privacy and Trustworthy Systems, established to promote access to graduate education among undergraduates who have been educationally or economically disadvantaged and who may not have exposure to the academic environment of a research university.
Eligibility

- Are citizens or permanent residents of the United States
- Are enrolled full time at a four-year college or university
- Are rising juniors, rising seniors or seniors graduating in December
- Have not already completed a B.A. or B.S. degree
- Have a 3.25 or better cumulative grade point average

Application Deadline: January 31, 2016


**Texas A&M University Summer Undergraduate Research Chemistry**

The program, funded by the National Science Foundation, focuses on interdisciplinary projects in biological, green, and materials chemistry. In our program, students become full members of a research group, carrying out fundamental research on topics that span the chemical sciences. Most students find the program to be a useful way to explore the graduate school experience at a top Chemistry program. Our faculty have an outstanding record of providing students rewarding summer research experiences, usually resulting in co-authorship on publications and/or presentations. In addition to the focus on individual research projects, students will participate in weekly career development seminars, highlighted by a Career Day with Ph.D. chemists speaking about their career paths. Students in the Chemistry REU will interact with students in other undergraduate research programs across campus.

Students receive:

- a stipend of $5000
- free housing.
- one credit of summer research, with tuition and required fees paid by the program.
- Travel allowance
- $500 debit card to be used toward meals.

Eligibility

This is a competitive program open to undergraduate chemistry majors enrolled in 4-year U.S. Universities other than Texas A&M who have completed their second or third year with a 3.0 GPA or better with strong letters of recommendation. Students must have completed 2 semesters of general chemistry and general laboratory, 2 semesters of organic chemistry and organic laboratory, and preferably 2 upper level chemistry courses, which typically include any of the following: analytical, spectroscopy, instrumental analysis, advanced organic, physical chemistry, biochemistry.

We welcome applications from members of traditionally underrepresented groups, including minorities and women.

Application Deadline: February 15, 2016

More information: [https://www.chem.tamu.edu/research/undergraduate/](https://www.chem.tamu.edu/research/undergraduate/)
University of Alabama Summer Undergraduate Research Opportunities

The Summer Research Opportunities Program (SROP) is a gateway to graduate education at CIC universities. The goal of the program is to increase the number of underrepresented students who pursue graduate study and research careers. SROP helps prepare undergraduates for graduate study through intensive research experiences with faculty mentors and enrichment activities.

Now in its 28th year, SROP celebrates the achievements of its alumni. To date, 610 program alumni have earned a Ph.D. degree and are now preparing the next generation of SROP scholars as mentors and teachers. Thousands of others have completed graduate training and are pursuing successful careers in government, business and non-profit agencies.

Eligibility
- Have a cumulative GPA of 3.0 or higher (4.0 scale)
- Be a citizen or a permanent resident of the U.S.
- Be enrolled in a degree-granting program at a college or university in the United States, Puerto Rico, or other U.S. territory
- Have completed at least two semesters of undergraduate education by the time of the summer experience
- Have at least one semester of undergraduate education remaining after completing the summer research experience
- Have a strong interest in pursuing a Ph.D.

Application Deadline: February 10, 2016
More information: http://www.cic.net/students/srop/introduction

University of Alabama at Birmingham
Preparation for Graduate and Medical Education

PARAdiGM is UAB's new NIH/NHLBI-funded summer program for outstanding undergraduates from disadvantaged and underrepresented minority backgrounds who would like to explore the potential of a future career as a physician-scientist - becoming a scientific investigator and a practicing physician.

Five (5) students who have finished their sophomore or junior year of college will be accepted into the 8-week paid summer program (June 1, 2016 - July 29, 2016) to work with UAB faculty on mentored research projects and participate in clinical experiences. PARAdiGM students will receive a stipend of $3,200 for their participation in the program. Campus housing will be provided but travel expenses are not covered.

Eligibility
PARAdiGM is particularly interested in students having no local campus access to research experiences or to physician-scientist role models, and students from groups underrepresented in the sciences. We anticipate that successful candidates will typically demonstrate grade point averages of 3.0 ("B") or higher, especially in science, math, and related areas.
Application Deadline: February 15, 2016

More information: [http://www.uab.edu/medicine/paradigm/](http://www.uab.edu/medicine/paradigm/)

**Regional Initiative to Promote Undergraduate Participation in Experimental and Computational Materials Research**

The NSF REU program provides a 10-week, hands on research experience for undergraduate students. During the 10-week period, participants will work in the labs of some of UAB’s renown scientists. The research represents actual projects that will contribute, in some way, to the work already being conducted in the labs.

**Eligibility**

The program is open only to United States Citizens and permanent residents of the United States that are currently enrolled in an institute of higher education and who will not be graduating prior to the Spring semester of the program year. In other words, applicants must be returning to an undergraduate program after participating in the program.

Application Deadline: April 15, 2016

More information: [http://www.uab.edu/cnmb/research-experiences-for-undergraduates](http://www.uab.edu/cnmb/research-experiences-for-undergraduates)

**Section of Statistical Genetics Summer Internship Program**

The UAB Section on Statistical Genetics typically employs interns and visiting scholars during the summer for a minimum 10-week period. Two or three positions are reserved for undergraduate students.

Acceptance into the SSG’s Summer Internship is highly competitive. An individual applicant will be offered a position based on his or her qualifications and quantitative background.

Participants in the program will:

- Learn the principles of applied biostatistics from recognized experts in the field.
- Meet practicing statistical geneticists.
- Gain experience working with actual data collected in internationally recognized studies.
- Learn about opportunities for graduate study and additional training.
- Explore the ever growing field of Statistical Genetics/Genomics which is an essential part of studies designed to improve the world in which we live.

Students will be matched with a SSG faculty member and/or a post-doctoral fellow for their research projects. The projects will give students exposure to research and opportunities to work on a current statistical genetics/genomics project. After the supervised research, students will be required to present their accomplished research to faculty and students.

**Eligibility**

- Student must be from minority population (e.g. African American, Hispanic, Native American, Native Alaskan, etc.)
- Applicants must be U.S. citizens, permanent residents of the United States or students currently studying and/or working at a US Institution.
Undergraduate majoring in Mathematics, Science, or other quantitatively oriented fields of study.

Undergraduate students who have completed three semesters of calculus and linear algebra coursework will be given preference. Many internship candidates are seeking degrees in statistics, although applications from students in other bachelor-level mathematical & scientific programs are also received and considered.

Application Deadline: January 15, 2015

More information: http://www.soph.uab.edu/ssg/summerinternship

Summer in Biomedical Science (SIBS) Undergraduate Research Program
The Summer in Biomedical Science (SIBS) Undergraduate Research Program will provide the opportunity for young people who are sophomore or junior level college undergraduates to be instructed in the techniques of modern biology while becoming integrated members of a vibrant clinical and scientific community. Fifteen (15) students who have finished their sophomore or junior year of college will be accepted into the 8-week paid summer program (June 2, 2016 - July 29, 2016) to work with UAB faculty members on mentored research projects. SIBS students will receive a stipend of $2,500 for their participation in the program. Campus housing will be provided, but travel expenses will not be covered.

Eligibility
SIBS is intended for students with a desire to pursue careers in the biomedical sciences. The Program is particularly interested in students having no local campus access to research experiences and students from groups underrepresented in the sciences. We anticipate that successful candidates will typically demonstrate grade point averages of 3.0 ("B") or higher, especially in science, math and related areas.


More Information: http://www.uab.edu/medicine/sibs/prospective-students

Summer Program in Neurobiology (SPIN)
The Summer Program in Neuroscience (SPIN) at the University of Alabama at Birmingham (UAB) originated from a Research Experience for Undergraduates (REU) site with support from the National Science Foundation. It is now jointly sponsored by the Department of Neurobiology, the Civitan International Research Center and the Comprehensive Neuroscience Center at UAB.

SPIN has two equally important goals. First is to provide motivated undergraduates who have demonstrated excellent scientific aptitude with the opportunity to experience full time academic research in neurobiology. Second, SPIN is designed to increase student competitiveness for entry into graduate education by involving students in an intensive professional development program.

Eligibility
Special emphasis is given to students with limited research opportunities at their home institutions. Students entering their junior or senior year by the start of the program are particularly encouraged to apply. Without exception, applicants must be US citizens/nationals.
Application Deadline: February 1, 2016

More information: http://www.uab.edu/medicine/neurobiology/education/undergrad-research

University of Arizona
The Summer Research Institute (SRI) offers you an outstanding opportunity to learn how to conduct research, enjoy your summer, and prepare for graduate studies at the University of Arizona (UA), a highly-ranked Research Extensive (Research I) Land Grant institution with a large multicultural student body and over 200 graduate programs in a myriad of fields. The program, fully sponsored by the University of Arizona, has been in existence for 17 years. Over 75% of participants have gone on to graduate, medical, law and other post-baccalaureate programs, both at the University of Arizona and at other prestigious universities.

Eligibility
- Undergraduate juniors and seniors who have successfully completed 85 semester units toward a bachelor's degree,
- Enrollment during the previous year in an accredited four year university or community college,
- U.S. Citizenship, Permanent Residence or Refugee status,
- FAFSA completion required for budget considerations: http://fafsa.com
- Cumulative GPA of 3.0 or above,
- the time to commit to a full-time schedule of 40 hours a week.

Application deadline: February 1, 2016

More information: http://grad.arizona.edu/UROC

Minority Health Disparities Summer Research Program
The University of Arizona Graduate College offers a prestigious summer research opportunity focused on health issues that affect minority communities in a disproportionate manner.

Eligibility:
- Be of American Indian/Alaska Native, African American, Hispanic/Latino, Native Hawaiian/Other Pacific Islander descent or other underserved populations (i.e., groups traditionally underrepresented in biomedical careers)
- Be US citizens or permanent residents
- Have a major in fields leading to biomedical careers, (i.e. Biology, Biochemistry, Chemistry, Molecular and Cellular Biology, Microbiology, Nutritional Sciences, etc.)
- Have completed a minimum of 75 semester units toward your bachelor's degree
- Have a cumulative GPA of 3.0 or above
- Be interested in pursuing graduate education in a biomedical field

Application deadline: NO UPDATED INFORMATION

More information and application online: http://grad.arizona.edu/mhd
University at Buffalo
Undergraduate Program for Summer Research (CLIMB UP) CLIMB UP is an outstanding opportunity for undergraduate students to excel in STEM and health science research and to explore career options at University at Buffalo.

Participants will:

- Complete individualized lab rotations
- Learn and apply laboratory skills (1-week course)
- Gain exposure to a wide variety of STEM disciplines
- Discover graduate and professional school possibilities at UB
- Tour the Buffalo Niagara Medical Campus
- Present their research in a formal symposium setting
- Enjoy all that Summer in the Buffalo Niagara region offers
- Build lasting relationships with mentors and fellow students

Application deadline: Applications due February 1, 2016

More information and application online: www.buffalo.edu/climb/climb-up

University at Buffalo
Institute for Strategic Enhancement of Educational Diversity (iSEED)
The iSEED Summer Research Experience will match you with a participating faculty mentor whose interests are complementary to your own. You will work on your own research project and get hands-on experience during the 10-week program. The summer will culminate with you and your peers presenting your work at the Summer Research Day with students from other UB summer research programs.

During the first week in the program, students attend various CLIMB modules, including a short Introduction to Laboratory Skills course, taught by Dr. David Shubert and Ms. Deborah Timineri, Instructional Support Associate. Students learn essential skills and important laboratory safety protocols to conduct their summer research.

*Please note: if you are participating under the School of Nursing, or the School of Engineering, you may not be required to take the Introduction to Lab Skills course.

In addition to your faculty mentor, you will receive mentoring and guidance from graduate students, postdoctoral fellows, and the iSEED leadership to ensure you have a productive and fulfilling summer. They will work with you on your research project, help you prepare your presentations, and provide insight on careers in science. Being part of the iSEED Summer Research Experience could be the start of lifelong friendships and mentor relationships.

Funds are available to provide a living stipend* (room and board plus incidentals, paid biweekly) for a limited number of students. On-campus housing is available at low rates (limited availability).
*US citizens or permanent residents only; unfortunately we are unable to offer stipends to students who do not fit these criteria.

We know it's important to take full advantage of the beautiful Buffalo summers. Events include a trip to Niagara Falls, the annual program picnic, a buffalo chicken wing social gathering, and more.

**Application Deadline:** February 1, 2016

More information: [http://www.buffalo.edu/iseed/undergraduate-students.html](http://www.buffalo.edu/iseed/undergraduate-students.html)

**Summer Research Opportunities:**
We only accept 10 students to our program. You won't be lost in the shuffle and you will receive the personal attention and research opportunities that aren't available in less individually-focused programs.

**Eligibility**
U.S. citizens or permanent residents in their junior year at the time of application.

- U.S. citizens or permanent residents
- Sophomores, juniors, seniors or master’s students interested in pursuing a Ph.D.
- Students who will be enrolled full-time at a college or university during the Spring and Fall 2014 terms
- Students with a 3.0 cumulative grade point average or better (on a 4 point scale)
- Students interested in attending UC Irvine for graduate studies
- Students from educationally disadvantaged or underserved backgrounds are especially encouraged to apply
- SURF is open to students in virtually all academic fields (e.g., arts, humanities, social sciences, social ecology, biological sciences, engineering, education, computer sciences and physical sciences)

**Application Deadline:** February 8, 2016

More information: [http://medicine.buffalo.edu/education/undergraduate/sure.html](http://medicine.buffalo.edu/education/undergraduate/sure.html)

**University of California Berkeley Summer Research Experience for Undergraduates (REU): Integrative Biology**

- [Individual research projects](#) in one of ~30 faculty laboratories in the Departments of Integrative Biology, Molecular & Cell Biology and Plant & Microbial Biology at the University of California at Berkeley.
- A [list of Participating Faculty Members](#) available on the website.
- Integrated program of academic and professional development: group tutorials on cell, developmental and evolutionary biology; informal faculty research seminars; workshops on the graduate school application process and related career opportunities
- Mentoring from faculty, graduate students, and postdocs
- 10 week program (June 08 to August 14, 2015)
- $5,200 stipend
- Paid on-campus housing in International House, includes 19 meals/week
- Travel costs reimbursed up to $600
Excursions and social programs highlighting attractions of the Bay Area

**Eligibility**
- Highly motivated students interested in biological research
- Students interested in the possibility of graduate school (Ph.D. rather than M.D.)
- Have completed at least one course in biology and one in chemistry before applying
- Undergraduates who will be attending a 4 year college or university in fall 2015 to work toward the Bachelor's degree. (Preference is given to students who will have completed their sophomore year by June 2015.)
- United States citizens or permanent residents (required by NSF guidelines)
- Able to show proof of health insurance for duration of the program

Applicants are not required to have previous research experience.

This program is aimed at promoting diversity in the national biosciences workforce. Students who share this goal, especially from underrepresented minority groups, economically disadvantaged backgrounds, or who are the first generation in their families to attend college are encouraged to apply.

**Application Deadline:** January 31, 2015

More information: [http://mcb.berkeley.edu/nsfreu/](http://mcb.berkeley.edu/nsfreu/)

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**University of California Irvine Summer Undergraduate Research Fellowship (SURF)**

UC Irvine’s Summer Undergraduate Research Fellowship (SURF) program offers undergraduate and master’s diversity students an opportunity to work closely with faculty mentors on research projects and provides an intense course of graduate preparation workshops. The program, which is designed for students who plan to pursue a Ph.D. or M.F.A. degree and enter academic careers, provides the tools needed to facilitate application, admission, and enrollment to graduate school. The SURF program is open to virtually all academic fields at UC Irvine. Qualified students with interest in pursuing their graduate program at UC Irvine are especially encouraged to apply.

**Eligibility:** Note: the SURF program is only open to non UCI students.

**Application Deadline:** February 3, 2016


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**University of California Los Angeles LSAMP Bridge to the Doctorate**

UC Los Angeles (UCLA) will host the 2014 Cohort of the UC Bridge to the Doctorate (BD)* which will support a graduate student cohort of 12 URM STEM Ph.D. students from LSAMP campuses across the nation.
The program will provide the cohort stipends and cost-of-education funds for the first two years, followed by support from UCLA's Graduate Division, the student's home STEM department and/or external fellowship funding for the following three years for a total of five years of support.

This unique opportunity will advance the diversity of STEM graduate programs at UCLA through the recruitment, training and retention of a group of 12 talented doctoral students. BD students will benefit from UCLA's state-of-the-art research facilities and connecting with a network of their peers, post-docs, and nurturing faculty. Furthermore, UCLA is committed to providing the BD scholars a welcoming campus environment and tools for success in graduate education which will significantly impact retention and doctoral degree completion. Collaborations between UCLA CAMP, Graduate Division and STEM departments across campus have been paved to ensure the success of the UCLA BD program.

The UCLA BD Graduate Research Training Fellowship Program is an initiative of the Undergraduate Research Center-Sciences and Graduate Division in partnership with the Lead Campus, UC-Irvine, of the University of California Alliance for Minority Participation and the National Science Foundation.

**Eligibility**
- Verified participation in an LSAMP program at undergraduate institution (see Link for "NSF LSAMP Verification Form" below)
- Bachelor's degree in a STEM field- Master's students are NOT eligible
- Admitted to a UCLA STEM PhD program (to begin studies Fall 2014)
- U.S. Citizen or permanent resident
- Must be member of a historically underrepresented group
- Only students applying Fall 2013 are eligible for the UCLA Bridge to the Doctorate program. The University of California, Irvine (UCI) will host the next Bridge to the Doctorate program and will begin take applications Fall 2014 (to begin studies Fall 2015).

**Application Deadline:** NO UPDATED INFORMATION

**More information:** [http://www.ugresearchsci.ucla.edu/campdoctorate.htm](http://www.ugresearchsci.ucla.edu/campdoctorate.htm)

**Premedical Pre-dental Enrichment Program**

UCLA PREP is a seven-week program designed to provide premedical and predental students from disadvantaged backgrounds with a means of strengthening their ability and readiness to study medicine or dentistry. As a result of full participation in UCLA PREP, participants should have enhanced their chances of being accepted to medical or dental school and succeeding once there.

**Eligibility**
- Be from a disadvantaged background or medically underserved community
- Be a US citizen or permanent resident
- Have one year of biology or chemistry completed by the time the program begins
- Minimum 2.5 science GPA for freshmen or sophomores
- Minimum 2.8 science GPA for juniors and above

**Application Deadline:** March 1, 2015
More information: http://www.medstudent.ucla.edu/offices/aeo/prep.cfm

**UC Merced Applied Mathematics 2016 NSF Summer Undergraduate Research Program**
The Applied Math Summer Undergraduate Research Program at UC Merced is called the ARCHIMEDES Summer Program, and it stands for Applied ResearCH In ModEling and Data-Enabled Science. The objectives of the program are to:

1. Introduce students to scientific computing to strengthen programming skills,
2. Use mathematical models to solve real-world problems,
3. Apply computational tools to research level problems, and
4. Analyze results using data and translate into scientific context.

The ARCHIMEDES Program will run for 9 weeks. In the first week, students will participate in a computational "bootcamp" designed to develop fundamental computational skills, preparatory to doing research during the rest of their summer program. The students will then work intensely for the remaining eight weeks, in teams of four and with a faculty mentor, on projects with strong computational and modeling components. Students will actively participate in weekly workshops and presentations to practice and improve their oral communication skills. They will also produce a technical report and a poster, and present at a public research symposium at the end of the program.

Application Deadline: March 15, 2016

More information: http://appliedmath.ucmerced.edu/summer-research

**University of California San Diego Summer Research Opportunities**
- STARS
- UC LEADS
- AGMEN Scholars Program
- CAMP (LSAMP)
- Scripps Undergraduate Research Fellowship
- CSEMS Program

Eligibility
- be a U.S. citizen or permanent resident;
- be a sophomore or junior;
- have a GPA of 3.0 or higher;

Application Deadline: NO UPDATED INFORMATION


**University of California San Francisco**
Students selected for summer research at UC San Francisco spend up to ten weeks working with UCSF faculty members on research projects. Participants in the program take part in seminars, lectures, and social events, creating a cohesive and supportive community. At the end of the
Participants in the program must be undergraduate students who are planning to earn a PhD in one of the disciplines offered by the UCSF Graduate Division listed below.

Eligibility: SRTP is open to citizens and permanent residents only/ Students must have a desire to pursue a PhD in research and must have completed at least four semesters or six quarters of undergraduate study prior to the beginning of the summer program.

Application Deadline: February 1, 2016
More Information: http://graduate.ucsf.edu/srtp

University of California San Francisco: INSIDE UCSF
Inside UCSF is an annual outreach program geared towards students at two- and four-year degree schools who are interested in pursuing careers in health and science.

The two-day program will take place on April 15-16, 2016 and will consist of UCSF student panels, interactive workshops, and an opportunity to meet with University faculty and staff.

This year the UCSF Schools of Dentistry, Medicine, Nursing, Pharmacy, the Graduate Division and Physical Therapy are reaching out to institutions throughout California and the United States for students who have an expressed interest and talent in the sciences. This exciting and informative program is free, and designed to give students an in-depth introduction to a specific health science career path, a chance to meet current students and become inspired about future career possibilities.

- Interactive panels of students from the schools of dentistry, medicine, nursing, pharmacy, life sciences, and physical therapy discussing their path to, and succeeding in, professional and graduate school.
- Specific introductions to one of the professional schools, the graduate division, or physical therapy, including conversations with faculty, staff and students.
- Workshops to demystify the preparation for and application to graduate and professional school.
- A classroom experience to expose you to a typical graduate/professional school academic experience.
- Tours of the campus and new state-of-the-art facilities

Each year we accept 100 diverse students from across California for this highly competitive two-day experience. UCSF covers the cost of meals, materials, and travel for all participants, as well as accommodations for those without BART or CalTrain access.
Interested individuals will need to submit a completed application. The application window for the 2016 cycle will open in January, 2016. The Inside UCSF Planning Committee will review completed applications and select 100 students to participate.

**Application Deadline:** TBA

More Information: [https://diversity.ucsf.edu/InsideUCSF](https://diversity.ucsf.edu/InsideUCSF)

**University of Cincinnati** site will be updated later
American Society of Pharmacology and Experimental Therapeutics (ASPET SURF)
We seek undergraduate students, especially women and underrepresented minorities, who wish a quality laboratory research experience in preparation for pursuing an advanced graduate degree and a future career as one of the next generation biomedical science leaders.
Program: June 1 – August 7, 2015

Eligibility:
Students who have completed 2 years of academic study in accredited college or university and have declared a major subject of study that logically would prepare them as a viable graduate degree program applicant will be given priority consideration. Student cumulative GPA, scope of courses, letters of recommendation (2 from faculty) and statement of how this SURF Program will assist the student in achieving their goals of completing an advanced graduate degree (M.S. or Ph.D.) leading to a career in pharmacology, toxicology, or pharmaceutical sciences will be given strong emphasis in applicant selection.

**Application Deadline:** February 2, 2015

More information: [www.med.uc.edu/pharmacology/aspet.surf](http://www.med.uc.edu/pharmacology/aspet.surf)

**University of Cincinnati College of Medicine Summer Undergraduate Research**
Are you an undergraduate science student, interested in scientific research and thinking about a career in Biomedical Research?
You can get the experience you need to prepare for graduate school and a career in this expanding field by participating in one of our summer research programs. The SURF Programs are designed for sophomore and junior level students who are U.S. residents. Students must be able to commit to a full 8 to 10 week program to do a research internship. SURF students are matched with an appropriate faculty advisor, based on mutual research interest. The advisor and intern design a specific research project within the context of the research focus of the advisor's laboratory.
We typically award fellowships to 150 undergrads each summer to do clinical, translational, or basic biomedical research. You can apply to any or all of the following programs:

- [Office of Graduate Education Summer Undergraduate Research Fellowship (GE SURF)](http://www.med.uc.edu/pharmacology/aspet.surf)
- [Cincinnati Children's Hospital Medical Center Summer Undergraduate Research Fellowship (CCHMC SURF)](http://www.med.uc.edu/pharmacology/aspet.surf)
• Medical Scientist Training Program Summer Undergraduate Research Program (MSTP SURF)
• Summer Undergraduate Research Program in Neuroscience (SURF-N)
• American Society of Pharmacology and Experimental Therapeutics Summer Undergraduate Research Fellowship (ASPET SURF)

Application Deadline: February 16, 2015

More Information: http://med.uc.edu/SURF

University of Colorado at Boulder
Colorado Center for Biorefining and Biofuels REU Program
The C2B2/NSF REU program offers undergraduate students the opportunity to engage in meaningful research alongside faculty, post-doctoral researchers, and graduate students at each of our four partnering institutions. Students will be conducting research in one of C2B2’s six thrust areas at either the University of Colorado in Boulder, Colorado State University in Fort Collins, Colorado school of Mines in Golden, or the National Renewable Energy Laboratory in Golden. Along with research duties, all students participate in educational seminars, C2B2 institution site visits, industry site visits, planned social activities, and cultural experiences.

Students will learn how researchers of varying disciplines at all four sites collaborate to solve biofuel and biorefining challenges. This program provides the students a rich and diverse ten week experience within the beautiful backdrop of the Colorado Rocky Mountains.

Students interested in applying to the C2B2/NSF REU should thoroughly research C2B2’s Research Thrusts in order to gain an understanding of the type of research C2B2 performs. Accepted REU students will be matched to projects based on their thrust preference indicated in the online application.

Eligibility
• Students from all academic fields, interested in bioenergy research.
• U.S. citizens, permanent residents, and international citizens.
• Undergraduates currently enrolled in a degree-seeking program at the time of program participation.

Application Deadline: January 31, 2016

More information: http://www.c2b2web.org/7JobsUnd_REU.php

REU in Environmental Sustainability
The goals of this ten-week summer REU Site at the University of Colorado are to provide undergraduate students with the opportunity to conduct research in the area of Environmental Sustainability, emphasizing multimedia approaches (air, water, soil), while training them in experimental design, data collection, and data interpretation. A seminar series will foster group discussions of societal issues in Environmental Sustainability, ethics, and policy. Students will also participate in tours of local research facilities (like NREL, NOAA, NIST, USGS). Students will be
recruited from disciplines inside and outside engineering and at least fifty percent of the participants will be from colleges and universities where research opportunities in STEM are limited. Participants will experience gains in knowledge, skills, attitudes, and identity that will foster their success in future research and/or professional settings.

Students will write a research proposal and final project report, and give an oral presentation at the REU Research Symposium at the end of the summer. There will be a cohort of 9 REU participants in summer 2014.

The 10-week program runs from June 2 through August 8, 2014. Students are provided with a $5000 stipend, up to $500 for travel, and room and board at the CU dormitories on campus.

In addition to working with faculty and graduate student mentors on a research project, the program also includes:

- professional development in preparation for future graduate studies, presentations and group discussions on societal issues in environmental engineering, including ethics, sustainability, and policy
- group tours of local governmental research laboratories and natural environmental wonders in Colorado

Students could also apply to receive up to $500 (on a competitive basis) to present their research at a professional conference. Conference examples include: SACNAS; the American Geophysical Union (AGU); the American Water Works Association (AWWA); etc.

Students may also want to consider submitting a manuscript on their research to the Journal of Young Investigators, the premier undergraduate, peer-reviewed science journal. Students may also be involved with their mentors after the summer to prepare manuscripts for submission to other peer-reviewed journals.

Application Deadline: NO UPDATED INFORMATION May not have program in 2016

More information: http://www.colorado.edu/reu/

**REU in Extreme Ultraviolet Science and Technology**

The Engineering Research Center (ERC) for Extreme Ultraviolet (EUV) Science and Technology is soliciting applications for summer undergraduate research positions. Successful applicants will collaborate with faculty and graduate students on cutting-edge EUV research projects.

The EUV ERC is a partnership between Colorado State University, the University of Colorado and UC Berkeley. Students participating in the REU program can choose among projects underway at all three institutions.

Positions offer a 10-week research opportunity in EUV science and technology along with seminars on current EUV projects and other relevant topics as well as social activities. Students receive a stipend, as well as housing and a travel allowance. The program is open to students in engineering, physics, chemistry and related fields.

**Eligibility**
• Sophomore, Junior or non-graduating Senior
• U.S. citizen or permanent resident
• GPA of 2.8 or greater (out of 4)

Application Deadline: February 29, 2016

More information: http://euverc.colostate.edu/education/REU/REU.shtml

**REU in Liquid Crystal Materials Research Center**
REU students in our Center participate in uncommon opportunities in cross-disciplinary research. Students are involved in an internationally recognized research program at the cutting edge of liquid crystal science and technology, immersing them in an intensively interdisciplinary research culture. This provides students with a one-of-a-kind research experience, which includes training, observation, evaluation, and feedback. Students are placed in research groups to work on a project with oversight from a lead professor, post docs, graduate students, and undergraduates. Although students are based in one department they experience the cross-disciplinary interactions of the Center. Additionally, students attend a series of faculty-lead presentations throughout the summer acquainting the students with the scope of the university's research. The LCMRC also participates in the departmental REU summer programs. This program recruits and selects students nationwide.

Application Deadline: February 9, 2015

More information: https://lcmrc.colorado.edu/outreach/undergraduates.html

**REU in Physics not updated**
The REU program, funded through the National Science Foundation Research Experience for Undergraduates program, at JILA and the Department of Physics at the University of Colorado Boulder, gives undergraduates the opportunity to do cutting-edge research outside the classroom.

Each student is placed in an active research group, which typically consists of a professor, postdocs, and graduate students. Students are given the opportunity to experience a real-life research environment and to contribute to ongoing research projects.

Research opportunities exist in the following areas:
• Atomic, Molecular, and Optical Physics
• Biophysics
• Condensed Matter Physics
• Elementary Particle Physics
• Geophysics
• Physics Education Research
• Plasma Physics

**Eligibility**
• You must be enrolled in college as an undergraduate student during the time of the program
• U.S. citizenship or U.S. permanent residency is required to participate in this program.

Application Deadline: February 15, 2015
SMART Program application will open Jan 1. Site under construction
The University of Colorado at Boulder offers 10-week summer research internships for rising juniors and seniors through the Summer Multicultural Access to Research Training (SMART) program. The program aims to improve access to STEM research for racial/ethnic groups severely underrepresented in science, math, and engineering (African American, Hispanic/Latino, American Indian/Alaska Native/ Native Pacific Islander), and for first-generation college students who are economically disadvantaged. The internships provide hands-on experience in research and an introduction to graduate education at a leading university. Twenty to twenty five undergraduates from institutions nationwide take part in this challenging and informative program each summer.

SMART interns conduct research projects in science, math, and engineering fields under the guidance of a faculty mentor and see firsthand graduate student life at a major institution.

Eligibility:
Must have completed 60 credit hours by June of the year during which you apply

Application Deadline: NO UPDATED INFORMATION

Southeastern Transportation Research, Innovation, Development, and Education Center (STRIDE)
The main goal of the program is to provide undergraduates an exciting opportunity to learn about transportation engineering and to participate in cutting-edge research projects along with STRIDE faculty and graduate students. Students can pursue their internship at any one of the eight universities within the STRIDE consortium.

The experience is valuable for students interested in pursuing advanced studies and/or a career in the field of transportation engineering. Students from other discipline areas such as mathematics and urban planning, as well as other engineering majors (industrial and systems engineering, computer science engineering, environmental engineering, materials engineering, mechanical engineering) are welcome to apply, as the skills gained in these areas play an important role in transportation.

The paid internship runs from May to the end of July, each year, and students are expected to work 20-30 hours per week. Interns will contribute extensively to one or more on-going projects, which are in a variety of areas, such as traffic operations, highway capacity and quality of service, safety, travel modeling, network optimization, and transportation systems planning. Each intern will be supervised by a faculty advisor and will work in close collaboration with master's and doctoral students in the Transportation Engineering Program at participating STRIDE universities.
Eligibility: U.S. citizens or permanent residents currently enrolled in an undergraduate program closely related to transportation are eligible. Applicants must be in their junior or senior years and should be completing their undergraduate program no earlier than December 2016. Applicants must demonstrate a desire to pursue graduate studies and/or a career in transportation and are required to have excellent analytical and communication skills. A minimum GPA of 3.0 is required.

Application Deadline: March 14, 2016

More information: http://www.stride.ce.ufl.edu/internship-opportunities

SUNY Louis Stokes Alliance for Minority Participation Bridge to Doctorate (LSAMP BD) program not update?
This program is located at Binghamton University and is slated to begin August 2015. This program establishes a bridge helping students to obtain a PhD by providing the financial support to pursue graduate study, faculty mentors to guide students academically and professionally, and a support network to assist them in accomplishing their goals.

Eligibility Criteria:
- Participation in a LSAMP program during undergrad
- Bachelor's degree in a S.T.E.M. discipline with a 3.0 GPA or better
- U.S. citizen or permanent resident
- Acceptance into a S.T.E.M. graduate program at Binghamton University
- Desire to pursue a Ph.D. in a STEM discipline

The benefits of becoming a SUNY LSAMP BD Fellow include:
- Tuition, fees and student health insurance waiver for first two years
- Stipend of $30,000 annually for first two years
- Level funding in years 3, 4, & 5 if qualified to advance to PhD
- Faculty mentoring
- Participation in professional conferences and meetings
- Links to research and professional opportunities
- Enriched academic services and support

Applicants to the program are evaluated on the basis of their record of achievement, as well as their research experiences, motivation, and connection to their field of study. All qualified students are encouraged to apply. The Binghamton University Graduate School provides an Application Fee Waiver to LSAMP (and McNair) students.

For more information or to apply please visit http://binghamton.edu/lsamp/bd/.

University of Colorado Denver not updated?
The GEMS-HP program is designed to provide summer research opportunities to students who are currently enrolled in a health professional programs including Medicine, Dentistry, Nursing, Pharmacy, Physicians Assistant and Public Health. Students must already be in their health professional program during the summer that they participate in GEMS-HP. Students who were recently accepted to a health professional program but will not start that program until the following fall semester are not eligible for the GEMS-HP Program. Each year, the GEMS-HP program runs for 8-10 weeks starting the on the first Monday of June and selected GEMS-HP participants must be
able to attend for at least 8 weeks, but 10 weeks is preferred. In order to get the maximum benefit from the program, GEMS-HP students will be expected to commit full-time the program and will not be allowed to take extended vacation or days off during the program period. Students who are US citizens or Permanent Residents from the continental US and the US territories are welcome to apply. The eligibility requirements are:

**Eligibility:**
- Must be currently enrolled in a health professional program
- Must be Citizen or Permanent Resident of the United States
- Must be from one of the following underrepresented student populations: Low-income/financial need, First-Generation college attendee, ethnic identity as African American, Hispanic, American Indian, Alaska Native, Southeast Asian, or Pacific Islander

**Application Deadline:** February 15, 2015


**University of Connecticut Undergraduate Summer Research Internship Program in Biological and Biomedical Sciences** application will open 2016

The University of Connecticut (UConn) Health Center invites applications for a limited number of summer research internships from highly qualified and motivated undergraduate students who have completed at least their sophomore year and have an interest in obtaining a Ph.D. in the biological and biomedical sciences. Students will have the opportunity to participate in research activities of a laboratory at the Graduate School under the direction of a faculty member. The purpose of the program is to provide a research experience and the opportunity to learn about ongoing research programs at the University of Connecticut Health Center.

**Eligibility**
- Applicants who are U.S. citizens/Permanent Residents or international students who have an F-1 student visa and are currently undergraduates studying in a college or university in the United States (as long as they obtain “curricular practical training” from their current U.S. college or university) are eligible to apply.
- International students on any other visa type are not eligible for the program.
- Applicants be at least sophomores by the start of the program and should have completed some college coursework in biology and chemistry (preferably through organic chemistry). Previous laboratory experience is desirable. Students who will have graduated by the time the program begins are not eligible.

**Application Deadline:** March 1, 2015

More information: http://grad.uchc.edu/prospective/programs/summer/index.html

**University of Georgia**
Population Biology of Infectious Diseases

The goal of this program is to catalyze a new generation of inter-disciplinary infectious disease science by introducing life science students to computational and mathematical techniques and to provide students in mathematics, statistics, and computer science opportunities to collaborate with life scientists, to collect and analyze data, and to develop empirically-motivated research. Students may develop projects that emphasize experimentation, computational or mathematical modeling, or a “synthesis project” combining empirical research and modeling. May 28 – July 26, 2013

Eligibility:
To participate in the Population Biology of Infectious Diseases REU Site @ UGA, you must be planning to return to an undergraduate degree program in the subsequent fall. Particularly, you must not have graduated or expect to graduate in the year of the program. Additionally, you must be a US citizen or permanent resident.

Applications by students from Historically Black Colleges and Universities and / or majoring in biology, compute science, ecology, mathematics, and statistics are especially encouraged.

Application Deadline: February 15, 2015

More Information: http://drakeresearchlab.wordpress.com/

Nanotechnology and Biomedicine REU

The REU program will provide an interdisciplinary research experience at the interface of micro-/nano-technology and biomedicine to undergraduate students from other institutions, leveraging the diverse interdisciplinary expertise, resources, and training opportunities in this area at University of Georgia (UGA).

Students will participate in interdisciplinary research projects that apply micro-/nano-technology to specific biomedical questions. Each REU student will be co-mentored by paired faculty from the nanotechnology and biomedical disciplines on a collaborative research project. In addition to a total-immersion, hands-on research experience, students will participate in enriching activities that will include ethics-in-science workshop; weekly career development seminars; research seminars; educational field trips; participation in conferences in nanotechnology and biomedicine.

Eligibility: To participate in the NanoBio REU Site @ UGA, you must be planning to return to an undergraduate degree program in the subsequent fall. Particularly, you must not have graduated in the year of the program. Additionally, you must be a US citizen or permanent resident.

Application Deadline: March 1, 2016

More information: http://reu.engr.uga.edu/

Post-baccalaureate Training in Infectious Diseases Research

UGA’s NIH funded Post-baccalaureate Research Education Program will provide intensive training to post-bac minority and disabled students, promoting the skill required for admission to and success in top biomedical PhD and M/D/PhD programs. Intensive, stipend-supported, one year...
Eligibility:
- Documented membership in a minority target group.
- US citizens, national or permanent resident.
- Less than 36 months past graduation.
- Declared major in relevant field.

Application Deadline: April 1, 2016

More information: [http://prep.uga.edu/application/](http://prep.uga.edu/application/)

Contact: Dr. Julie M. Moore (prep@uga.edu)

**Undergraduate Biology Education Research (UBER)**
The Undergraduate Biology Education Research (UBER) REU Site is a nine-week, NSF-funded program to involve undergraduates in designing and conducting research on undergraduate biology teaching and learning with mentorship from faculty from the University of Georgia Division of Biological Sciences and College of Education. The goals of the program are to develop undergraduates’ knowledge and skills in biology education research, encourage undergraduates to pursue doctoral study of biology teaching and learning, expand the diversity of the talent pool in biology education research, and contribute to the development of theory and knowledge about biology education in ways that can inform undergraduate biology instruction.

Eligibility
To participate in the Undergraduate Biology Education Research REU Site @ UGA, you must be planning to return to an undergraduate degree program in the subsequent fall. Particularly, you must not have graduated or expect to graduate in the year of the program. Additionally, you must be a US citizen or permanent resident.

Applications from students from minority serving institutions and / or majoring in biology, education, psychology, anthropology, sociology, and statistics are especially encouraged.

Application Deadline: February 26, 2015

More information: [http://uber.coe.uga.edu/](http://uber.coe.uga.edu/)

**University of Florida**
**Chemistry**
The International Research Experiences for Undergraduates (REU) program is a 12 week program based in France. Participants will spend most of their time working with graduate students, post-doctoral researchers, staff, and other undergraduates on a well-developed research project under the mentorship of an experienced faculty member sponsored by the University of Florida and is funded by the National Science Foundation (NSF).
Eligibility:
- Must be U.S. citizen or permanent resident
- Must have previous research experience
- Students with appropriate research interests and majors in Chemistry/Biochemistry or other STEM areas are encouraged to apply
- Pre-professional (Medical, Law, Dentistry, Veterinary) students are NOT encouraged to apply.

Application Deadline: February 10, 2016

More information: http://reu.chem.ufl.edu/index.php

Gravitational-Wave Physics
The focus of the UF's International REU program is in Gravitational Physics.

Our program, made possible by the National Science Foundation, is designed to expose students to the rigors of gravitational physics research within a setting that truly reflects its international character. For a period of 9-10 weeks during the summer, participants work on research projects in some of the best gravitational physics labs in Europe and Australasia. During their stay, students also benefit from the valuable cultural enrichment that comes with living in a foreign environment. The program is open only to US residents, and applications for Summer 2015 are now being accepted. We are especially interested in recruiting women and minority students.

Application Deadline: December 15, 2015


Condensed Matter and Materials Physics
Participants in the program will conduct research and take part in group activities including seminars on cutting-edge areas of materials physics; workshops focusing on graduate programs, career opportunities in the physical sciences and engineering, and scientific communications skills; and field trips to laboratories on and off campus. You can get a better idea of these activities from the links above. For the Summer 2016 program the anticipated stipend is $5,000. There is an allowance for travel to/from Gainesville, FL, and also housing is provided. Weekends during the program will be left open for participants to explore the abundant attractions of North and Central Florida.

Eligibility: REU participants must be undergraduate students and must be citizens or legal permanent residents of the United States or its possessions. We especially encourage applications from members of groups under-represented in science and engineering, and from students enrolled at institutions where research opportunities are limited.

Application Deadline: February 15, 2016


The Whitney Laboratory Research Experience for Undergraduate program (REU)
The Whitney Laboratory Research Experience for Undergraduate program (REU), funded by the National Science Foundation (Site Award 0648969), offers an exceptional opportunity for the motivated undergraduate to participate in scientific research. If you are serious about science but have never had the opportunity to perform work as a scientist, then this program is for you.

REU research-related activities include:
- A research project mentored by experienced investigators
- A weekly seminar by Whitney Lab faculty and post docs
- Training in scientific communication (written and spoken) and scientific ethics
- A seminar and interview with a former Whitney REU student
- The REU Symposium – summer interns describe the results of their summer research in oral and poster presentations. The student with the best poster presentation is awarded an all expense paid trip to a national scientific meeting.

**Eligibility:** Undergraduates who qualify for the REU Program receive a competitive stipend, assistance with travel expenses, and housing. Students must be a U.S. citizen or have permanent residency to qualify for NSF funding. Students from groups under-represented in the sciences (African Americans, Native Americans, Hispanics, and Pacific Islanders), first generation college students, women and non-traditional students are encouraged to apply.

**Application Deadline:** February 12, 2016

More information: [http://www.whitney.ufl.edu/academic/undergrad-reu/](http://www.whitney.ufl.edu/academic/undergrad-reu/)

**University of Kansas not updated**

**Chemistry**
The Department of Chemistry at the University of Kansas is proud to sponsor the National Science Foundation supported Research Experience for Undergraduates for the 27th year. The program provides initial research experiences for 10-12 students in a highly collaborative and interdisciplinary research environment.

**Eligibility**
Most participants are recruited from primarily undergraduate institutions with substantially limited or no research infrastructures. Undergraduates attending any U.S. university who are majoring in chemistry or a closely related field, and who are considering a career--and perhaps graduate study--in chemistry, are encouraged to apply.

**Application Deadline:** March 1, 2015


**Pharmacology, Toxicology, and Therapeutics**
The faculty of the Department of Pharmacology, Toxicology and Therapeutics at the University of Kansas Medical Center is pleased to announce the availability of basic research internships for the summer of 2016 (May 30 - August 5). Undergraduate students accepted into the program will perform basic research in Pharmacology or Toxicology in the Department while studying
interactions between biological systems and chemical agents. Each student will work in the laboratory of an individual member of the faculty. The program also includes weekly discussion sessions with faculty members and current Pharmacology or Toxicology graduate students on selected topics in Pharmacology and Toxicology.

Aside from gaining experience in basic biomedical research and being introduced to the disciplines of Pharmacology and Toxicology and presenting data in a typical graduate student seminar setting, each summer intern will receive a $3,000 stipend (does not include room and board; there is no student housing available on the KU Medical Center Campus) throughout the 10-week program, following the KU Medical Center payroll schedule.

**Eligibility:** Undergraduate students who are US Citizens or Permanent Residents with a GPA of at least 3.0 on a 4.0 scale. The most competitive applications are those from students interested in graduate study (PhD or MD/PhD) and currently majoring in Chemistry, Biology, Pharmacy or related disciplines who are completing their sophomore or junior years in college. Undergraduate students of an underrepresented ethnic background (African-American, Hispanic-American, Native-American) are strongly encouraged to apply.

**Application Deadline:** March 16, 2016


**University of Kentucky**  
**Pharmaceutical Sciences Summer Research Program**

The UK College of Pharmacy offers two different ten-week programs for talented undergraduate and professional students to participate in paid research in Pharmaceutical Sciences or in Pharmaceutical Policy. Participants perform independent research, under the supervision of faculty mentors, graduate students or postdoctoral fellows, give a scientific presentation that describes their accomplishments, and have the opportunity to contribute to front-line research in either of these areas.

In the Traditional Pharmaceutical Sciences area ([PS Application Form [pdf]](http://www.uky.edu)), students can work with faculty who are engaged in research in areas ranging from pre-clinical studies of drug actions, to fundamental mechanisms of drug actions at the molecular level, to the design, synthesis, development and formulation of new drug products. This program allows undergraduate students to obtain hands-on laboratory experience in state-of-the-art research facilities.

Students interested in Pharmaceutical Outcomes and Policy will have the opportunity to apply methods and techniques of public policy planning and analysis to issues involving pharmaceuticals, pharmacy, pharmacists and pharmacies under the guidance of our nationally recognized faculty.

**Eligibility**

Current undergraduates who have completed their junior year by the beginning of the summer are encouraged to apply, but highly qualified sophomore students will also be considered. Students enrolled in a professional (PharmD) program are also encouraged to apply. Completion of courses in general biology, organic or analytical chemistry will help the student get the most from these
experiences. Ideal candidates are students who are interested in entering a PhD doctoral program, who have better than a 3.3 GPA and, for the Traditional program, are pursuing an undergraduate major in Pharmaceutical Sciences, Chemistry, Chemical Engineering, Biology, or other Life Science.

**Application Deadline:** February 15, 2015

More information: [http://pharmacy.mc.uky.edu/programs/graduate/srp.php](http://pharmacy.mc.uky.edu/programs/graduate/srp.php)

**Summer Training in Alcohol Research site not updated**

The University of Kentucky offers a 10-week, paid laboratory experience for talented undergraduate students interested in gaining research experience in alcohol-related disorders such as alcoholism, fetal alcohol syndrome, cancer, and pain. This is a competitive program designed for students considering a career in a science, technology, engineering or math-related fields, but especially graduate study. Opportunities range from applied psychological approaches in humans to basic cellular mechanisms of alcohol action in cell culture. Students will spend the summer performing independent research under the supervision of faculty mentors, graduate students and postdoctoral fellows, give a scientific presentation that describes their accomplishments, and have the opportunity to contribute to front-line research in either of these areas.

**Eligibility**

Current undergraduates who have completed their junior year by the beginning of the summer are encouraged to apply. Highly qualified sophomore students will also be considered. Ideal candidates are students who are interested in pursuing a PhD doctoral program, with better than a 3.0 GPA and, an undergraduate major in Biology, Chemistry, Psychology, Sociology or related field as appropriate. Prior coursework in biology, chemistry, biopsychology, physiology, statistics and/or neuroscience will help the student get the most from these experiences.

Students will receive a stipend for 10 weeks of work. Please note that payment for housing is not included in the stipend.

Students must be a U.S. Citizen or permanent resident.

**Application Deadline:** February 15, 2015

More information: [http://psychology.as.uky.edu/who-should-apply](http://psychology.as.uky.edu/who-should-apply)

**University of Maryland Baltimore County**

The Meyerhoff Scholars Program has been at the forefront of efforts to increase diversity among future leaders in science, engineering, and related fields. The UMBC Meyerhoff family is now more than 1200 strong, with 800 alumni across the nation and nearly 300 students enrolled in graduate and professional programs.

**Eligibility**

- Minimum of 600 on the Math component of the SAT
- Cumulative High School GPA of a 3.0 or above
- Aspire to obtain a Ph.D. or M.D./Ph.D. in Math, Science, Computer Science, or Engineering
2016 National Summer Research Opportunities in STEM

- Display commitment to community service
- Must be a citizen or permanent resident of the United States

Application Deadline: NO UPDATED INFORMATION

More information: [www.umbc.edu/meyerhoff/summerbio](http://www.umbc.edu/meyerhoff/summerbio)

University of Maryland School of Medicine
Nathan Schnaper Summer Intern Program in Cancer Research (NSIP)
- Under the Direction of Dr. Bret Hassel, the NSIP matches undergraduate students with UMGCC faculty mentors for a 10-week summer internship in cancer research.
- Interns conduct research in cutting edge areas of basic, translational and clinical cancer biology including drug resistance, signal transduction, apoptosis, and angiogenesis.
- Interns learn about diverse topics in cancer research and career paths in biomedical sciences through weekly ‘Meet the Mentors’ discussions and seminars in conjunction with the Office for Student Research.
- Interns gain exposure to clinical medicine through shadowing UMGCC clinicians.
- Social activities provide an opportunity for informal interactions with mentors and labmates, and for interns to learn more about the UMGCC research community.
- At the conclusion of the internship, the interns deliver oral and poster presentations of their research to the mentors, program sponsors, and research faculty.

Eligibility
- Applications for the ~12-14 internships awarded per summer are reviewed by committee.
- Undergraduate students with a genuine interest in cancer research, as reflected in their application package, are considered on a competitive basis.
- Applicants must be US citizens or permanent residents
- Underrepresented minorities are encouraged to apply.

Application Deadline: March 1, 2016

More information: [http://www.umgcc.org/research/summer_internships.htm](http://www.umgcc.org/research/summer_internships.htm)

University of Maryland College of Behavioral and Social Science
The Summer Research Initiative (SRI) was created in 1999 by the Office of the Dean in the College of Behavioral and Social Sciences (BSOS) and is supported by the Office of the Provost, the Graduate School, the Office of the Vice President for Research and the College. The program is designed to encourage and enhance the diversity of scholars working in the social and behavioral science fields.

In that spirit, we are interested in receiving applications to the program from a broad spectrum of students, including African Americans, Latino/Hispanics, American Indian/Alaskan Natives, Native Hawaiians or other Pacific Islanders, as well as students with research interests related to diverse communities.

The goals of the SRI are to:
• Increase the knowledge of, and interest in, doctoral-level training in the social, behavioral, and economic sciences;
• Provide rising juniors and seniors an opportunity to learn about graduate studies and the range of research and scholarship in the social, behavioral and economic sciences at the University of Maryland;
• Provide a laboratory experience that enhances basic research knowledge and skills;
• Provide lectures, workshops, didactic exchanges and other programming to enhance students' knowledge of the graduate application process, negotiating the academic rigors and professional and personal challenges encountered in graduate school, and developing career paths in social, behavioral and economic sciences; and
• Provide mentoring and networking opportunities for students to advance their training in the social, behavioral and economic sciences.

The SRI is part of the College's longstanding commitment to increasing the number of underrepresented minorities who pursue graduate degrees in the social, behavioral and economic sciences. According to data from the National Science Foundation, the university ranks 8th in the country in the number of doctoral degrees awarded and 13th in the number of Bachelor of Arts degrees awarded to underrepresented minority students in those fields. The Summer Research Initiative is an integral part of our efforts. The actual program runs 8 weeks, from May 30, 2016 – July 22, 2016. Students are required to arrive on campus on Saturday, May 28th for mandatory Saturday and Sunday program orientation, but SRI programming will officially begin on Tuesday, May 31st due to the Memorial Day holiday.

Application deadline: February 10, 2016

More information: http://www.bsos.umd.edu/diversity/summer-research-initiative

**University of Massachusetts Medical School Summer Undergraduate Research**

The University of Massachusetts Medical School Summer Undergraduate Research Opportunity is a non-credit, ten-week, structured research experience. The program consists of "hands-on" laboratory research experience with an investigator serving as a mentor, role model and advisor. Ten week program: May 24, 2015–July 31, 2015

**Eligibility (must meet at least one)**

• Member of a racial or ethnic group under-represented in biomedical research (African American, Native American [Hawaiian and Alaskan] and Hispanic/Latino)
• Family meets criteria for disadvantaged (economic or educational) status
• Presently receive accommodations under the Americans with Disabilities Act

Application deadline: March 13, 2016

More information: [www.umassmed.edu/summer](http://www.umassmed.edu/summer)

**University of Miami Summer Undergraduate Research Fellowship Program (SURF)**
The SURF Program offers participants the opportunity to choose from 17 areas of research in the Biomedical Sciences, including Bacterial Pathogenesis, Cancer Biology, Gene Expression/Molecular Genetics, Immunology, Neuroscience, and Stem Cell/Regenerative Medicine. The Program will introduce students to the type of projects encountered during postgraduate research training and lead to an understanding of the planning, discipline, and teamwork involved in the pursuit of basic answers to current questions in the biological sciences. In addition to laboratory experience, SURF students will participate in classes. Fellows will spend eight weeks pursuing individual research projects in the laboratories of UMMSM faculty members. Fellows will gain experience in modern research techniques, and have an opportunity to plan and execute an experimental strategy to answer a scientific question.

Eligibility
- US Citizens and Permanent Residents
- Students who desire to pursue a PhD or MD/PhD
- Students who are minorities and/or from groups underrepresented in the sciences are strongly encouraged to apply
- Students entering their Senior year will be given preference
- Science majors and basic science coursework
- A minimum GPA of 3.5 is required
- Past research experience can be an asset, but is not required

Application Deadline: March 1, 2016

More information: http://biomed.miami.edu/

University of Michigan Summer Research Opportunity Program
The University of Michigan Summer Research Opportunity Program (SROP) offers outstanding undergraduates in a variety of disciplines who are underrepresented in their field of study the opportunity to conduct intensive research. The goal is to prepare students for advanced studies in a Ph.D. program at U-M.

Students work in graduate level research projects with faculty and current graduate students. In addition, all participants engage in a series of academic, professional, and personal development seminars. Participants present their research at a concluding U-M research symposium. Students in SROP build professional and personal networks that support their interest in joining the academic community.

Application Deadline: February 10, 2016

More information: www.rackham.umich.edu/student_life/diversity/community/srop/application_process/
The Department of Chemistry of the University of Minnesota will sponsor a summer research program for outstanding undergraduate students. The Chemistry Summer Research Program is designed to encourage students in the chemical sciences to learn more about research in chemistry and provide them with the opportunity to work in a lab under the direction of a faculty member. This program was initiated in 1973 with funds from a bequest to the University in his memory by Maximillian Nandor Lando, a 1902 chemistry graduate of the University of Minnesota. It has been, and is presently also supported by a Research Experiences for Undergraduates (REU) grant of the National Science Foundation. Applications are now being accepted from those presently in their sophomore or junior year of undergraduate study in chemistry or closely related fields. Chemistry Summer Research Fellows will be selected in an international competition.

Each Chemistry Summer Research Fellow will receive a stipend of $6,400. The $6,400 stipend will be paid in 2 installments throughout the summer (the first installment of $3,200 will be paid upon arrival). Appointments will begin on June 6, 2016 and run for 10 weeks through Friday, August 12, 2016. Monday, June 6 is reserved for moving into a residence, and the actual research assignment will normally commence on Tuesday, June 7, 2016. During the last week, you will partake in a poster session with other summer research students in the McNamara Memorial Center.

Chemistry Summer Research Fellows may either live on-campus or off campus. On campus cost for a dormitory will be approximately $1,800 for the 10-week period.

Funds are available for travel to a National meeting (such as The Spring National Meeting of the American Chemical Society) to present the results of your summer's research during the following year.

**Eligibility:**
Applications are now being accepted from those presently in their sophomore or junior year of undergraduate study in chemistry or closely related fields.

**Application Deadline:** February 1, 2016

More Information: [http://www.chem.umn.edu/lando/LandoDesc.html](http://www.chem.umn.edu/lando/LandoDesc.html)

**University of Missouri Undergraduate Research Programs**

**General Information:** The Office of Undergraduate Research at the University of Missouri (MU) coordinates a number of summer research programs for undergraduates enrolled at other institutions. All programs run for 9 weeks (Wednesday, June 1 - Friday, July 29), with travel days being Tuesday, May 31 and Saturday, July 30. Students selected for these programs live in on-campus, air-conditioned housing (double rooms), and receive a meal plan, covered by the program. Summer interns also receive one hour of academic/research credit, travel to and from Columbia, and a stipend of $3800.

**Eligibility:** Applicants are expected to have completed at least one year of full-time college enrollment prior to June 2016 and be pursuing a major in animal sciences, biology, biochemistry, chemistry, plant sciences, computer sciences, or related fields. Students graduating prior to December 2016 are not eligible. Students must be citizens or permanent residents of the U.S. Please see the information on the individual programs for additional eligibility information.
University of Missouri Summer 2016 Undergraduate Research Programs for Visiting Students
The Office of Undergraduate Research at the University of Missouri (MU) coordinates a number of summer research programs for undergraduates enrolled at other institutions. All programs run for 9 weeks (Wednesday, June 1 - Friday, July 29), with travel days being Tuesday, May 31 and Saturday, July 30. Students selected for these programs live in on-campus, air-conditioned housing (double rooms), and receive a meal plan, covered by the program. Summer interns also receive one hour of academic/research credit, travel to and from Columbia, and a stipend of $3800.

Funds are available for approximately 50 non-MU students in different programs (described on the following pages). An additional 50+ undergraduates from MU or in other programs will participate in all research and educational programming activities, creating a vibrant community of undergraduate researchers. Students will work on their own research project under the guidance of an MU faculty mentor and present their results at a poster Forum at the end of the summer program (July 28). Students become part of a research team that typically includes other undergraduate students, graduate students, lab technicians, and post-doctoral researchers. With 1,000 faculty members, over fifteen academic departments, and eight interdisciplinary programs and centers (all focused on the life sciences), MU is a great place for undergraduates preparing for a challenging career in physics and other sciences research and education. Our Columbia campus includes schools and colleges of Arts & Science; Agriculture, Food & Natural Resources; Engineering; Health Professions; Medicine; and Veterinary Medicine -- all within walking distance. MU is home to the nation’s largest (10MW) nuclear reactor found on a college campus. The MU Research Reactor (MURR) provides advanced research opportunities for students and faculty in the neutron-related sciences and engineering and is an excellent facility for radiochemistry research.

Application Deadline: February 15, 2016


University of Missouri-Columbia
The Office of Undergraduate Research at the University of Missouri (MU) coordinates a number of summer research programs for undergraduates, including this physics research experience for undergraduates (REU) in materials and modeling. All programs run for 9 weeks (Wednesday, May 28 - Friday, July 25), with travel days being Tuesday, May 27 and Saturday, July 26. Students selected for these programs live in on-campus, air-conditioned housing (double rooms), and receive a meal plan, covered by the program. Summer interns also receive one hour of academic/research credit, travel to and from Columbia, and a stipend of $4500.

Eligibility:
• have completed at least two years of full-time college enrollment prior to June 2015 and be entering their junior or senior year of college.
• be pursuing a major in physics, engineering, biophysics or related fields.
• be citizens or permanent residents of the US.
• have earned a minimum GPA of 3.0 (on 4.00 scale) including both overall GPA and science/math GPA.
• have completed calculus-based physics by the start of the program.
• be interested in physics, including a possible career in physics.

Application Deadline: February 15, 2016


**University of Nebraska Summer Research Program**

The Nebraska Summer Research Program is a consortium of NSF funded Research Experiences for Undergraduates (REU) and other summer research opportunities programs (SROP). This intensive summer research experience provides mentoring and research experiences while allowing scholars to preview graduate school life. Students with a strong interest in graduate programs are particularly encouraged to apply, as are those from populations traditionally underrepresented in graduate education.

Application Deadline: February 1, 2016 (Priority Deadline), March 1, 2016 (Regular Deadline)

More information: [www.unl.edu/summerprogram](http://www.unl.edu/summerprogram)

**University of Nebraska Medical Center (UMNC) Summer Undergraduate Research Program**

The University of Nebraska Medical Center (UNMC) is an academic health science center with a major focus on research. The UNMC Summer Undergraduate Research Program (SURP) is a collaboration between UNMC departments, institutes, colleges, student services, and graduate specialty areas to provide summer opportunities for undergraduate students to become members of research teams and discover first-hand the broad spectrum of research activities occurring at UNMC.

Each summer there are 80-100 positions available for talented undergraduate students mentored by awarded faculty. These full-time research positions are primarily in research laboratories where students work with team members on an ongoing research project. SURP students attend weekly seminars provided by UNMC researchers to enhance their knowledge about research careers and the variety of research at UNMC. The laboratory experiences obtained by SURP students enhance their competitiveness for later admission to graduate programs at UNMC.
Eligibility:
This summer research program is for individuals that are motivated for success in careers combining medicine and research. Although we are especially interested in undergraduate students who are currently in their sophomore year of college, current freshman and juniors are also encouraged to apply. Some research background may be useful in order to maximize your laboratory experience.

- Currently enrolled as a freshman, sophomore, junior, or a December graduate in college
  - graduated seniors will not be given consideration
- U.S. citizen or hold a permanent resident visa
- Academically talented student interested in pursuing health care and/or research

Application Deadline: February 1, 2016

More information: [www.unmc.edu/com/summer](http://www.unmc.edu/com/summer)

**University of North Carolina – Chapel Hill**

UNC's Summer of Learning and Research (SOLAR) Program is an intensive 10-week experience designed to prepare underrepresented minority students for graduate research and careers in science. The program is open to rising juniors and seniors from underrepresented populations. Our goal is to provide undergraduate students interested in careers in bimolecular research with an opportunity to carry out independent research projects under the guidance of a UNC faculty mentor. This intense summer research experience will introduce you to cutting-edge research and will provide you with a realistic view of graduate school and biomedical research careers. You will be immersed in the research process, including the design of a research project, methods for conducting controlled experiments, data collection, data analysis, and team-work. We will help you develop strong scientific communication skills and you will have the opportunity to present your work in the cross-campus summer research poster session at the end of the summer.

Eligibility:

- Students must be from an underrepresented group in science: African Americans, Mexican-Americans, Native Americans (American Indians, Alaska Natives, and Native Hawaiians), Pacific Islanders, mainland Puerto Ricans, and persons with disabilities.
- Students must be rising juniors or seniors from a 4 year college majoring in a STEM field (rising sophomores with prior research experience will also be considered).
- Students with graduation dates in May 2016 are not eligible to apply unless they will continue to be enrolled at an undergraduate institution in the Fall of 2016.
- Students that currently hold a baccalaureate degree are not eligible to apply unless they will be enrolled in an additional undergraduate program in the Fall of 2016.
**Application Deadline:** February 24, 2016


**University of North Carolina – Charlotte**

The 2015 Summer Program to Increase Diversity in Undergraduate Research (SPIDUR) is a 9-week summer program for high-achieving undergraduate students, proving research experience and professional development training in their field of interest. These opportunities are not typically available in the undergraduate classroom. This learn-by-doing model places an emphasis on graduate education and allows the Scholars to put their experiential learning into practice, preparing them to excel in their future studies and research.

In addition to mentored research activities, scholars participate in weekly professional development training to build skills critical to professional success. Topics include: responsible conduct of research, developing a competitive research fellowship application, preparing an academic resume, professional communication tools, and a session on preparing for graduate school.

The program culminates with the Summer Research Symposia, where students participating in summer research programs on campus present their research results. The Summer Research Symposia is free and open to the public.

Summer scholars receive a stipend of $4000 for the 9 weeks of the program. Housing will be provided, but space is limited. Travel to UNC Charlotte is not supported by the program.

**Application Deadline:** January 30, 2015

More information: [http://advance.uncc.edu/node/286](http://advance.uncc.edu/node/286)

**University of North Carolina School of Medicine**

**Biophysical Society Summer Course in Biophysics**

This 11-week scholarship program hosted by the University of North Carolina at Chapel Hill, introduces undergraduate minority students, disadvantaged students and students with disabilities to the field of biophysics.* The program includes lectures, seminars, lab work, team-building activities and field trips. The Summer Research Program is designed to reflect a graduate-level research program.

All tuition and fees during the Course are covered, and participants receive a stipend for living expenses throughout the summer.

**Eligibility:** Students who are US citizens or permanent residents and who have a strong quantitative background in basic or applied sciences are encouraged to apply.

**Application Deadline:** NO UPDATED INFORMATION
More information:

**Summer Undergraduate Research Experience (SURE-REU)**
The Summer Undergraduate Research Experience (SURE-REU) Program in Molecular Biosciences at UNC-Chapel Hill provides talented undergraduate students the opportunity to carry out independent research projects under the guidance of faculty mentors in the following areas: biochemistry, molecular biology, cell biology, cellular biophysics, structural biology, computational biology, genetics, genomics, and proteomics. For 10 weeks during the summer, undergraduate students are immersed in the SURE-REU (REU program in Molecular Biosciences) experience; they work side-by-side with graduate students, postdoctoral fellows and faculty who serve as role models and as mentors. They discover how modern biological research is formulated, carried out, and reported in an environment that stresses collaboration and multidisciplinary approaches to problem solving. SURE-REU undergraduates acquire skills critical to success in research and teaching careers and to gaining entry to top graduate departments of their choice. Making informed career choices is a major theme of the Program; participants hear about careers and lifestyles in forums with scientists inside and outside of academia and with current graduate students and post-doctoral fellows at UNC-Chapel Hill. Our journal club and seminar program expose students to emerging areas of research and provide insight into the scientific method. At the end of the Program, all students present their work at our annual Summer Research Symposium and Poster Session.

Although we give preference to students with little prior independent research experience, all talented undergraduates with a genuine desire to pursue a career in biological research and teaching are encouraged to apply. Admission is limited to rising sophomores, juniors and seniors; first generation college students and students from groups under-represented in the sciences are strongly encouraged to apply.

**Eligibility:** Only U.S. citizens or permanent residents

**Application Deadline:** February 29, 2016

More information: [http://www.med.unc.edu/oge/stad/sure](http://www.med.unc.edu/oge/stad/sure)

**University of North Texas Summer Multicultural Advanced Research Training (SMART)**
The Summer Multicultural Advanced Research Training (SMART) Program brings undergraduate students to the UNT Health Science Center campus to participate in a 10-week biomedical sciences project. Participants become familiar with the varied disciplines and methodology used in biomedical research.

SMART is a program for multicultural students made possible in part by the National Institutes of Health and the National Heart, Lung and Blood Institute. The NIH has designated African Americans, Native Americans, Mexican Americans and Mainland Puerto Ricans as underrepresented populations in the sciences. However, through additional funding provided by our corporate partners, UNT Health Science Center invites applications from all interested students.
Eligibility

- Students completing freshman year and sophomore students
- 3.0 minimum cumulative grade point average
- U.S. Citizen or permanent residency
- Major in biology, biochemistry, chemistry or other life science
- Intention of pursuing education beyond the bachelor's level

Application Deadline: March 20, 2015

More information: [http://web.unthsc.edu/info/20004/graduate_school_of_biomedical_sciences/1229/summer_multicultural_advancement_research_training](http://web.unthsc.edu/info/20004/graduate_school_of_biomedical_sciences/1229/summer_multicultural_advancement_research_training)

**University of Oregon**

**NICHD R25 Summer Research Program**

The University of Oregon R25 Summer Research Program (R25 SRP) offers fellowship opportunities for undergraduates to participate in ongoing NICHD funded research in a mentored research program.

Program Dates: May 28, 2016 to August 7, 2016

R25 Summer Research Program Features:

- Research project mentored by experienced investigators
- Weekly Faculty Seminar series
- Weekly Professional Workshop series
- Social, recreational, and cultural activities
- Ethical issues in science series
- Weekly undergraduate research group discussion
- Training in scientific communication
- Undergraduate Research Symposium
- Opportunity to present at a national conference
- Stipend paid at the end of each month
- Round-trip travel from home to program
- Room and board
- Summer Pass to the UO Student Recreation Center

Eligibility:

- Have completed at least one year of undergraduate coursework by summer
- Be undergraduates in good standing
- Be strongly motivated to participate in ongoing research projects
- Be US citizens or permanent residents
Application Deadline: There is not a hard deadline

We will begin making offers of admission to R25 Summer Research Program the last Monday in February, and we will continue to review applications until all slots are filled. Please note that space is very limited.

More information: http://r25srp.uoregon.edu/index.php

Summer Program for Undergraduate Research (SPUR)
The Summer Program for Undergraduate Research aims to train students to become creative explorers, to expand their interest and excitement in science, and to increase opportunities for them to pursue careers in research. We are very interested in enhancing the diversity and talent of the next generation of life scientists in the research community. We stress active, experiential learning, because a true understanding of scientific ideas requires immersion into the processes of discovery, and it is reflected in the ability to communicate these ideas.

SPUR offers closely mentored research projects to provide broad, experience-based training in science research. This training, which stresses active learning for both interns and mentors, includes experimental approaches, methodological skills, strategic design, creative and critical reasoning, and scientific communication. We aim to boost personal confidence by professional and social interactions with active researchers at all levels. In selecting summer interns, we seek talented, motivated, adventurous, and hard-working undergraduates who would benefit from what our program has to offer, and who perhaps would not otherwise have such opportunities.

SPUR contributes to national efforts to raise competence in STEM areas, enhances access to research careers for students with limited access to research facilities and experience, broadens the participation of minority researchers in STEM field related careers, and trains graduate students and postdoctoral fellows to be effective mentors.

Eligibility:
Applicants should have completed at least one undergraduate academic year before entering the SPUR program. We accept applicants completing their freshman, sophomores, and junior years and students who will graduate in a term or semester after the summer experience. We occasionally accept post-baccalaureate students.

Applicants should be US citizens or permanent residents with green card; though we accept one international student each summer.

Applicants should be able to commit to a full 10 week experience within the program dates. Applicants should expect a rigorous and rich immersion into the life of a scientist. The program is quite intense and not by any means a summer vacation; however, it is extremely rewarding. Selected interns should come prepared.

We do not have a minimum gpa for consideration for admission. We strive to change the face of the next generation of scientists by providing opportunities for those who might not otherwise have them. We want to train curious students to become scientific explorers; so the most important feature of your application will be your letters of recommendation that address these issues.

Application Deadline: There is not a hard application deadline. We review applications on a rolling basis, and we begin making offers of admission in mid-February, continuing until all slots are filled,
usually by late March. Spaces are very limited. Therefore, it is important to submit your application as early as you can. We keep an active waiting list in spring, because new spaces sometimes become available late in spring.

More Information: [http://spur.uoregon.edu/calendar_student.shtml](http://spur.uoregon.edu/calendar_student.shtml)

**University of Pittsburgh**  
**Summer Undergraduate Research Program**  
SURP provides an intensive 10-week research experience designed to help undergraduates pursue a career based on biomedical research skills. Students are matched with research mentors, participate in weekly seminars and lab meetings and conduct laboratory based research. Housing in a modern University dormitory is provided along with social activities that enable students to enjoy life in Pittsburgh. At the program's conclusion all students write up their work and give presentations on their projects. If you are contemplating graduate school in the biomedical sciences, then SURP can help give you the experience needed to make an informed decision.

**Eligibility**  
The Summer Undergraduate Research Program is designed for students seriously considering graduate school or a career in biomedical research.

You may apply if you are currently enrolled as an undergraduate student in an accredited institution of higher education in the United States. Preference will be given to US citizens and permanent residents who have completed their sophomore or junior year.

Individuals from groups underrepresented in the sciences are encouraged to apply.

**Application Deadline:** February 1, 2016 (Early Deadline); March 1, 2016 (Final Deadline)

More Information: [http://www.gradbiomed.pitt.edu/admissions/summer-program](http://www.gradbiomed.pitt.edu/admissions/summer-program)

**2015 CNUP Summer Undergraduate Research Program**  
Each summer, the Center for Neuroscience at the University of Pittsburgh (CNUP) sponsors a 10-week program in which selected undergraduate students conduct independent research under the guidance of individual CNUP training faculty.

**Eligibility:**
- Completion of sophomore or junior year of undergraduate training.
- GPA of 3.0 (“B”) or higher, especially in science, math, and related coursework.
- All applicants must be undergraduate students currently enrolled full-time at a U.S. college or university, or who are citizens of the U.S. or her protectorates, including residents of Puerto Rico.
- International applicants will be required to provide official authorization for Optional Practical Training (OPT) from their home institution, prior to their arrival in Pittsburgh.

**Application Deadline:** Must be postmarked by February 11, 2015 and received by February 13, 2015.
Models of Infectious Disease Agent Study Summer Research Program

The University of Pittsburgh Models of Infectious Disease Agent Study (MIDAS) National Center of Excellence is pleased to announce a summer research opportunity for undergraduate students in the field of computational modeling and simulation of infectious diseases. Through this ten-week Summer Research Program, participants will gain an appreciation of major research questions being raised at the intersection of public health, biological science, and computer technology. Participants selected for this program will work with MIDAS Investigators, experienced graduate students and postdoctoral fellows conducting exciting interdisciplinary research projects in this dynamic field. This intensive research-based experience will prepare applicants interested in working at the interface of mathematics, computer science, engineering, statistics, epidemiology, public health and biological sciences for the rigors of scientific research and graduate education.

Eligibility
The program is open to all undergraduates with an interest in the computational modeling and simulation of infectious diseases. Applications are accepted from undergraduate students who are in good academic standing and are currently enrolled in a four year college or university. Women and underrepresented groups are particularly encouraged to apply.

Application Deadline: NO UPDATED INFORMATION

More Information:
https://midas.pitt.edu/index.php?option=com_content&view=article&id=230&Itemid=204

Training and Experimentation in Computational Biology (TECBio)

Our Training and Experimentation in Computational Biology (TECBio): "Simulation and Visualization of Biological Systems at Multiple Scales" REU program is a 10-week summer program that will provide a challenging and fulfilling graduate-level research experience to undergraduate students. A wide variety of theoretical and experimental research projects are available to our participating students. Students will also receive classroom training in topics pertinent to the emerging field of computational biology, such as computational structural biology, cell and systems modeling, computational genomics, and bioimage informatics. Additionally, TECBio students will participate in a weekly journal club, attend research and career seminars organized specifically for the program, take part in an ethics forum that will instruct them in the responsible conduct of research, present their work at a Pittsburgh-wide annual research symposium, and experience the various social and cultural activities available in Pittsburgh - America's most livable city.

Eligibility: you must have at least one semester of full-time undergraduate study remaining after your participation in the summer program. You must also be a US citizen or permanent resident

Application Deadline: February 15, 2016

More information: http://www.tecbioreu.pitt.edu/
University of Rochester
Sponsored by the National Science Foundation, this summer program of full-time scientific research includes discussion groups, research meetings, as well as social activities. Research problems are available across the broad landscape of contemporary chemical research: structure, mechanism, dynamics, synthesis, spectroscopy and theory; inorganic, organic, organometallic, physical, biological, polymer, nuclear and environmental chemistry. For more specific examples of research projects, click on the link below to see poster titles of students who participated in a recent summer.

(U.S. Citizens or Permanent Residents may apply.)
(Applications will be accepted until all positions are filled. We welcome applications by email.)

Application Deadline: February 14, 2016


University of South Florida
Research Experience for Undergraduate Summer Program
Research Experience for Undergraduates Summer Program in UBIQUITOUS SENSING: The department of Computer Science and Engineering at the University of South Florida offers a 10-week summer research program for undergraduates contemplating a career in Computer Science and Engineering and related fields. This REU site is focused on Ubiquitous Sensing, an emerging research topic within Computer Science which is projected to have a high impact in the development of the technologies that will lead the near future.

Students will spend 10 weeks doing research in one project of interest while attending seminars and presentations from faculty and industry representatives about research and career development. Students will be awarded a stipend of approximately $5000 plus travel and on campus.

Eligibility
REU participants must be undergraduate students in their junior or senior years preferably and citizens or legal permanent residents of the United States or its possessions.

We especially encourage applications from members of groups under-represented in science and engineering and from students enrolled at institutions where research opportunities are limited.

Application Deadline: NO UPDATED INFORMATION


Research Experience for Undergraduates (REU) in Applied Physics
The US National Science Foundation (NSF) sponsored Research Experience for Undergraduates (REU) Site in Applied Physics at the University of South Florida aims to provide high quality motivational research experiences in four thrust areas including materials physics, atomic, molecular & optical physics/sensors, biomedical/biophysics, and computational physics. Ten undergraduate students will work closely with faculty mentors on the individual research projects that are specifically designed taking into account the limited research experience of REU students. The research experiences are enriched by a special professional development program to facilitate
learning of research methods, laboratory skills, critical thinking, organizational, oral and written communication skills including: (i) extensive research training in experimental and computational techniques during the first week of the program; (ii) weekly REU-wide seminar programs; (iii) a weekly lecture series “Advances in Applied Physics” and lab tours given by participating REU faculty; (iv) workshops on the development of oral and communication skills; (v) workshops on preparing for graduate school; (vi) the REU symposium at the end of the program.

Application Deadline: March 2, 2015


**Research Experiences for Undergraduates (REU) Emergent Behaviors of Integrated Cellular Systems** The REU is a summer research program that will fund undergraduate students assigned to EBICS labs at each primary institution: Georgia Institute of Technology, Massachusetts’s Institute of Technology, and the University of Illinois at Urbana-Champaign. Students from underrepresented minority groups, women, and individuals with disabilities are strongly encouraged to apply.

**Program Highlights:**

- 10 weeks of full time undergraduate research at MIT, UIUC, or Georgia Tech.
- $4500 stipend per student.
- Allowance for travel expenses, on campus housing and meals.
- Grad school prep, faculty mentoring, professional development and social engagement with other students on campus.
- Scientific papers, oral and/or poster presentations at the end of the summer.

Applications will be accepted from any student currently enrolled in a science or engineering undergraduate program (biology, chemistry, physics, materials science, bio-engineering, computer science, and related fields). We will start to review and consider applications for positions before this date (semi-rolling application) so the earlier you complete your application the better!

The estimated program dates for REU 2016* are:


Application deadline: February 19th, 2016
More information: [http://www.ebics.net/diversity/reu/about](http://www.ebics.net/diversity/reu/about)

**Research Experiences for Undergraduates University of Illinois at Urbana-Champaign**
This is a 10 week nanotechnology research experience at the University of Urbana-Champaign from May 23- July 29 2016. Students will have to opportunity to study in fields such as Bio
nanotechnology, Computational and theoretical nanotechnology, nanomaterials and Nano mechanics, and much more.

**Benefits Include**
- $5000 Stipend
- Travel support
- On-Campus housing
- Meal stipend
- Hands-on research
- Faculty/Peer mentoring
- Professional development
- Networking
- Partnership with the Summer Research Opportunities Program/Graduate College

**Who Should Apply?**
- Undergraduates majoring in science, technology, engineering, and mathematics (STEM) disciplines
- Students with an average technical grade point average of 3.0/4.0 or higher
- U.S. citizenship/national or permanent residency is required
- Students from underrepresented minority groups and women are strongly encouraged to apply

**Application Deadline:** March 1, 2016

More information: [http://nano.illinois.edu/education/nanoreu.html](http://nano.illinois.edu/education/nanoreu.html)

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**University of Tennessee LOST FUNDING**

The BCMB Department at UTK will once again offer a special summer program for undergraduates interested in research. The aim of this Research Experience for Undergraduates (REU) is to provide hands-on research opportunities for undergraduate students majoring in the sciences, with an introduction to cutting-edge research in the broad area of “Sensing and Signaling”. The team of REU investigators represents a multidisciplinary ensemble of Cell Biologists, Geneticists, Biochemists, and Biophysicists who are taking modern approaches to the analysis of how signals are perceived and transduced in myriad biological systems.

**Eligibility**

We especially encourage rising sophomore and junior undergraduate science majors to apply. Underrepresented minorities, women, and first-generation college students are strongly encouraged to apply. Applicants must be a US citizen or a permanent resident.

**Application Deadline:** NO UPDATED INFORMATION


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**University of Tennessee**

The College of Graduate Health Sciences and the College of Pharmacy sponsor the Summer Research Scholars Program to provide research experience to exceptionally well-qualified undergraduate students. Students spend eight weeks with an investigator in one of our graduate
programs. Through this experience, students gain hands-on experience in research and exposure to research as a post-baccalaureate career option. The Program culminates with presentations by the students.

**Eligibility:**
Undergraduate Students (Freshman–Juniors)

**Application Deadline:**


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**University of Texas Southwestern Medical Center**

**Quantitative and Physical Sciences Summer Undergraduate Research Fellowship (QP-SURF)**

The Quantitative and Physical Sciences Summer Undergraduate Research Fellowship (QP-SURF) Program at UT Southwestern Medical Center's Graduate School of Biomedical Sciences is an intensive summer research training experience for college students preparing for Ph.D. or M.D./Ph.D. careers in biomedical research. Fellows spend 10 weeks (early June through mid-August) pursuing individual research projects in the laboratories of Graduate School faculty members.

Fellows gain experience in modern research techniques and plan and execute an experimental strategy to answer a scientific question. The QP-SURF Program introduces students to the kinds of projects encountered during postgraduate research training and fosters an understanding of the planning, discipline, and teamwork involved in the pursuit of answers to current questions at the interface of quantitative science and basic biomedical research. At the end of QP-SURF, fellows present their research in a poster session.

In addition to laboratory research, fellows attend weekly seminars given by UT Southwestern faculty members. Informal discussions about careers in science and graduate training are also scheduled.

Approximately 10 fellows participate in the summer research program. Fellows are assigned to a laboratory and research project according to their previous training and research interests.

Research areas include:
- Biomedical Engineering
- Biophysics
- Computational Biology
- Organic Chemistry
- Systems Biology

**Eligibility:** Applicants must be enrolled in a physics, computer science, mathematics, biomedical engineering, or chemistry degree program at the undergraduate level and have completed their sophomore year. Applicants must also be U.S. citizens or currently possess an F1 Visa.

**Application Deadline:** February 9, 2016
Summer Undergraduate Research Fellowship (SURF) Program
The Summer Undergraduate Research Fellowship (SURF) Program at UT Southwestern's Graduate School of Biomedical Sciences is an intensive summer research training experience designed for college students who are preparing for Ph.D. or M.D./Ph.D. careers in biomedical research. Fellows spend 10 weeks (beginning in early June and ending mid-August) pursuing individual research projects in the laboratories of Graduate School faculty members.

Fellows gain experience in modern research techniques and plan and execute an experimental strategy to answer a scientific question. SURF introduces students to the kinds of projects encountered during postgraduate research training and fosters an understanding of the planning, discipline, and teamwork involved in the pursuit of answers to current questions in the biological sciences. At the end of the SURF Program, fellows present their research during a poster session.

In addition to laboratory research, fellows attend weekly seminars given by UT Southwestern faculty members. Informal discussions about careers in science and graduate training are also scheduled.

Approximately 85 fellows participate in the summer research program. Fellows are assigned to a laboratory and research project according to their previous training and research interests.

Research areas include:
- Biological Chemistry
- Biomedical Engineering
- Biophysics
- Cancer Biology
- Cell Biology
- Chemistry
- Developmental Biology
- Genetics
- Immunology
- Integrative Biology
- Mechanisms of Disease
- Molecular Biology
- Microbiology
- Neuroscience
- Pharmacology

Eligibility: Applicants must be enrolled in an undergraduate science degree program and have completed their sophomore year. Applicants must also be U.S. citizens or possess an F1 Visa.

Application Deadline: February 9, 2016
University of Virginia
The University of Virginia School of Medicine offers summer research internship opportunities to qualified college undergraduates considering a career in biomedical research. The program targets, but is not limited to, racially and ethnically diverse students in their junior and senior years. Interns receive $4,590 toward summer expenses. In addition, housing and travel to and from Charlottesville are provided.

The program’s goals are to expose undergraduates to laboratory research and to familiarize them with the opportunities that exist for careers in biomedical research. Presentations and panel talks from our graduate students, along with free GRE tutorials, help SRIP interns successfully navigate the graduate school application process. The program runs for ten weeks each summer and includes three major components:

1. The first and most important component involves hands on research project with a faculty member where the student is exposed to contemporary methods and problems in biomedical research.
2. The second component of the program includes a series of workshops in which students are exposed to a variety of advanced research techniques that they are unlikely to see in individual laboratories. This includes tours and demonstrations of some of the core research facilities at the University. Past workshops have included:
   a. use of transmission and scanning electron microscopy
   b. use of mass spectrometry to detect protein mass and amino acid sequence
   c. use of the fluorescence activated cell sorter
3. The third component includes a Distinguished Lecturer Series in which the students are exposed to a wide variety of research topics through seminars presented by internationally recognized scientists.

Application Deadline: February 5, 2016

More Information: http://www.medicine.virginia.edu/education/phd/gpo/srip

University of Washington
Genome Sciences Summer Research Program for Undergraduates
The Department of Genome Sciences, in partnership with the National Human Genome Research Institute and the University of Washington Genomics Outreach for Minorities program, provides summer research opportunities for undergraduate students.

Program Benefits:
- gain outstanding research experience
- $3000 stipend
- paid room & board
- paid travel for those outside the Seattle area
Eligibility
Applicants must be:
- US citizens or permanent residents
- members of a group that is underrepresented nationally in the biomedical sciences (African-American, Hispanic, Native American, Pacific Islander)
- Currently enrolled in and returning to college following the summer research program to continue their undergraduate studies. We expect that competitive applicants will have had some college-level science coursework. Applicants who would like to work in a computational lab should have had college-level calculus and basic programming skills.
- willing to inform us of your career direction after completing your undergraduate degree, whether you opt for graduate school, medical school, or another career path

Application Deadline: February 1


University of Wisconsin-Madison Integrated Biological Sciences Summer Research Program (IBS_SR) The Institute for Biology Education at the University of Wisconsin-Madison invites junior and senior undergraduate students interested in research careers in the biological sciences to participate in the Integrated Biological Sciences Summer Research Program (IBS-SRP). This hands-on research program is designed primarily to give students from other colleges and universities a chance to experience the richness of research at UW–Madison.

As part of the program, students do full-time research for 10 weeks with a faculty member in one of eight disciplinary areas:
- Biochemistry/Biophysics
- Bioenergy
- Cellular and Molecular Biology
- Computational Biology & Biostatistics
- Ecology, Plants, and Environmental Systems
- Molecular & Environmental Toxicology
- Neurobiology
- Endocrinology

The eight disciplinary areas are connected through a seminar series highlighting major themes in biology, science writing, preparation for graduate school, and biological sciences careers. The major themes are:
- evolution
- pathways and transformations of energy and matter in biological systems
- information flow, exchange and storage in biological systems
- structure and function
- systems biology

At the end of the program, students give an oral presentation of their research results and write a final research report that is published in a program journal.

Eligibility
Applicants must be US citizens or permanent residents between their sophomore and senior years who have not graduated before the program begins, have a grade point average of at least 3.0, and strong interest in a career in biological research. Students who are African American, Hispanic, Native American, Southeast Asian, Native Alaskan or Native Pacific Islander OR who are from low-income homes OR who are the first in their family to attend college OR who attend small liberal arts institutions without broad research facilities are strongly encouraged to apply.

Application Deadline: February 16, 2016

More information: http://www.biology.wisc.edu/IBS-SRP.htm

**Doris Duke Conservation Scholars Program (DDCSP@UW)**

The Doris Duke Conservation Scholars are a diverse, committed and creative community of young professionals from around the country who aim to change the face, practice and future of conservation.

DDCSP@UW is designed for students who want to pursue a career path in conservation and are at the beginning of their studies at a four-year college. You don’t necessarily need to be science-oriented, but you do need to have a true interest in how nature and people interact. Applicants must be U.S. citizens or “dreamers.”

Engage with people, exploring their conservation issues and landscapes across the urban – wildlands gradient of Washington State – the places where conservation is actively unfolding. Interacting as a single group, together with instructors, conservation professionals, and community members at the heart of conservation controversies, DDCSP Scholars will learn to use the natural and social science techniques that underpin inclusive conservation.

Conservation Scholars have all travel, food and lodging paid during their 8-week summer program, and will receive a weekly stipend of $500.

Application Deadline: January 29, 2016


**USAID Global Health Fellows II (GHFP-II) Summer Internship Program**

GHFP-II's Interns work in a variety of global health technical areas ranging from maternal and child health to nutrition to HIV/AIDS. Each Intern has a specific scope of work and placement site within USAID or with one of its implementing partners. GHFP-II Interns work part or full time for up to six calendar months. During their placements, Interns gain valuable experience in global health development. Placements are made both in Washington, DC and in developing countries. Through these placements, Interns perform a wide range of duties in support of USAID health teams and their implementing partners around the world, such as:

- Participating in meetings to discuss USAID’s health program’s goals, policies, and implementation activities
- Contributing to evaluations of project activities
- Participating in strategic planning
• Traveling to the field to learn about on-the-ground technical assistance
• Participating in monitoring key elements of project activities
• Assisting teams to prepare project documentation including evaluations and major reports
• Monitoring, analyzing and reporting on trends and developments in the global health field
• Contributing to interagency technical working groups and cross-Agency technical committees and groups

Interns enjoy working relationships with global health professionals involved in state-of-the-art technical work with USAID, governmental, non-governmental and faith-based organizations. Efforts to increase and sustain diversity of Interns are woven throughout GHFP-II with a multilayered approach to address the key issues of representation, retention and promotion of individuals from underrepresented communities working in global health.

Application Deadline: varies

More information: http://www.ghfp.net/internships/become-a-ghfp-ii-intern/

U.S. Department of Energy
Science Undergraduate Laboratory Internship
• The DOE’s SULI program encourages undergraduates from 2- and 4-year colleges to pursue STEM careers by providing research internships at one of 16 DOE National Laboratories.
• Applications solicited annually for three separate internship terms. Internships are 10 weeks during the Summer Term (May through August) or 16 weeks during the Fall (August through December) and Spring (January through May) Terms.
• Program is sponsored and managed by the DOE Office of Science’s, Office of Workforce Development for Teachers and Scientists (WDTS) in collaboration with the DOE National Laboratories.

Eligibility:
• Must be currently enrolled as a full-time undergraduates at a 2- or 4-year accredited institution and also have completed at least one year as a matriculating undergraduate at the time of applying.
• Applicants who will complete their undergraduate degree prior to starting their internship may apply as a “Graduating Senior”, if
  1. the applicant has not yet started a program of graduate study and will not matriculate as a graduate student prior to completing the SULI term, and
  2. the time period between receipt of an undergraduate degree and starting the SULI term is less than one year. Community college students are eligible to apply.
• Must have an undergraduate cumulative minimum Grade Point Average (GPA) of 3.0 on a 4.0 scale for all completed courses as a matriculating student.
• Must be 18 years or older at the time the internship begins.
• Must be a U.S. Citizen or Permanent Resident at the time of applying.
• Must have a high school diploma or GED equivalent at the time of applying. Proof of an earned High School diploma or of passing all five GED tests required to achieve a
Certificate of General Educational Development should be provided on the applicant’s undergraduate transcripts.

- Applicants are limited to participation in SULI program to no more than two internships.
- Applicants can apply to the SULI program a maximum of three times.
- Must have current health insurance while participating in the program.
- Workforce Development & Education interns are not allowed to take classes while participating in the program.

Applications Deadline: January 8, 2016


**Mickey Leland Energy Fellowship (MLEF)**
The Mickey Leland Energy Fellowship (MLEF), sponsored by the U.S. Department of Energy's Office of Fossil Energy, is a 10-week summer internship program that provides opportunities to students who are pursuing degrees in science, technology (IT), engineering, or mathematics (STEM majors). The goal of the program is to improve opportunities for minority and female students in these fields, but all eligible candidates are encouraged to apply. Candidates who are selected will have the opportunity to work under the mentorship of program officials and researchers on focused research projects consistent with the mission of the Office of Fossil Energy.

**Eligibility**
To qualify for the program, students must:
- Be at least 18 years of age;
- Be a U.S. Citizen;
- Have a cumulative GPA of at least 3.0;
- Be currently enrolled full-time in an accredited college or university (sophomore year or higher); and
- Participate in the full 10-week program

Application Deadline: December 21, 2015


**U.S. Department of Homeland Security**
The Department of Homeland Security (DHS) Science and Technology (S&T) Directorate Office of University Programs sponsors the DHS Summer Research Team Program for Minority Serving Institutions to provide faculty and student research teams with the opportunity to conduct research at the university-based DHS Centers of Excellence (DHS Centers).

The intent of the program is to provide research opportunities to increase and enhance the scientific leadership at Minority Serving Institutions in research areas that support the mission and goals of DHS. In addition, the program is designed to engage faculty, along with undergraduate and graduate students, in research that will provide them opportunities to understand the mission and research
needs of DHS and make advances in Research Areas of importance to DHS, while strengthening the talent pool of scientists and engineers.

Summer research opportunities will be awarded to qualified faculty members and students to work on collaborative research of mutual interest to the team, the DHS Center and DHS. Faculty members and students must be at an eligible institution in a discipline, major or concentration directly related to a homeland security science, technology, engineering and mathematics (HS-STEM) research area listed below:

Eligibility

- Be at least 18 years of age at the start of the research experience period.
- Have cumulative Grade Point Average (GPA) of 3.0 or higher on a 4.0 scale as of the application deadline, as demonstrated in the most current transcript. Transcripts must include Fall 2014 grades. GPA requirements will be strictly enforced. Faculty team members should ensure that all student team members meet the GPA requirement.
- Be majoring in an HS-STEM discipline related to a DHS Research Area.
- Meet the general eligibility requirements for all applicants.
- Be enrolled full-time at an eligible 4-year Minority Serving Institution as a sophomore, junior or senior as of the application deadline and planning to be enrolled full-time in Fall 2015 as an undergraduate at an eligible 4-year Minority Serving Institution.
- OR be enrolled full-time at an eligible 2-year Minority Serving Institution as of the application deadline and planning to be enrolled full-time in Fall 2016 as a junior at an eligible 4-year Minority Serving Institution. Applicant must provide proof of application to a 4-year Minority Serving Institution by March 1, 2016.

Application Deadline: January 24, 2016


**U.S. Fish & Wildlife Service and Student Conservation Association: Career Discovery Internship Program**

Founded in 2008, the Career Discovery Internship Program (CDIP) was created in partnership with the US Fish and Wildlife Service (FWS) to prepare the next generation of wildlife professionals by introducing culturally and ethnically diverse college freshman and sophomores to conservation careers.

Interns attend a week-long orientation held in May and serve in summer internships tailored to various FWS career tracks. Summer internships are available in a variety of fields, including visitor services, education, resource management – and many more!

The ideal candidate pool includes:

- Students who self-identify as being from diverse racial and ethnic backgrounds
- US Citizens and Permanent Residents
- Current college freshmen and sophomores
The ideal candidate is:

- Available for a 12-13 week summer internship beginning in May
- Open-minded and has an adventurous spirit
- Not necessarily experienced in conservation
- Eager to act as an ambassador for SCA and the FWS
- A licensed driver
- Able to provide references with an application

More information: [http://www.thesca.org/cdip](http://www.thesca.org/cdip)

**The Undergraduate Biology Education Research (UBER)**
REU Site is a nine-week, NSF funded program to involve undergraduates in designing and conducting research on undergraduate biology teaching and learning with mentorship from faculty from the University of Georgia Division of Biological Sciences and College of Education. The goals of the program are to develop undergraduates’ knowledge and skills in biology education research, encourage undergraduates to pursue doctoral study of biology teaching and learning, expand the diversity of the talent pool in biology education research, and contribute to the development of theory and knowledge about biology education in ways that can inform biology instruction.

**RESEARCH AREAS**
- Development of problem-solving skills in biochemistry
- Departmental teaching climate and how faculty teach biology
- Effective methods for providing feedback on undergraduate teaching
- Impact of metacognition on student performance in biology
- Using fossils to teach about evolution and the nature of science
- See UBER REU website for full list of projects…

For more information: [http://uber.coe.uga.edu/](http://uber.coe.uga.edu/)

**Applications Due: February 26, 2016**

**VCU HERO Program**
The Health Educational Research Opportunities Program (HERO), sponsored by the National Heart, Lung, and Blood Institute, provides 10-week summer research experiences for undergraduate students and first-year medical or dental students.

Students have the opportunity to work with VCU faculty on research projects that focus on diseases of the heart, blood vessels, lung and blood, blood resources, and sleep disorders. Students from racial and ethnic minorities or disadvantaged backgrounds are encouraged to apply.

**Eligibility**
Eligible applicants must be current students that have taken at least two semesters of college courses before beginning the program. First-year graduate students are also eligible to apply. At least one lab science class is highly encouraged. Students must be U.S. citizens, permanent residents or a
non-citizen nationals. Proof of citizenship status or resident status will be required before the start of the program. We welcome applications from students at other institutions, as long as you meet the other eligibility requirements.

Application Deadline: NO UPDATED INFORMATION

More Information: http://www.healthdisparities.vcu.edu/?id=1342&sid=10

**Virginia Commonwealth University**

Summer Student Program in Microbiology, Infectious Diseases and Public Health Epidemiology

Join us at VCU for a new Summer Student Program in Microbiology, Infectious Diseases and Public Health Epidemiology [PDF]. The School of Medicine will offer an integrated series of seminars and workshops that range from local to global issues in infectious diseases. Studies are related to infectious diseases from basic science (pathogenic microbiology) to applied science (epidemiology). Accepted students will be paired with a mentor to conduct research in the areas of microbiology, clinical research, or epidemiology.

Application Deadline: NO UPDATED INFORMATION

More Information: [http://www.medschool.vcu.edu/research/summer/midph.html](http://www.medschool.vcu.edu/research/summer/midph.html)

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**Virginia Tech**

MAOP Undergraduate Summer Research Internship (SRI) - A ten-week summer research internship (May - August) combining GRE preparatory training and personal development seminars. The SRI is open to college students who are U.S. Citizens and Permanent Residents.

The MAOP Undergraduate Summer Research Internship (SRI) started in Summer 1993, and since then has been a transformative experience for hundreds of students. Students from a wide variety of academic disciplines spend ten weeks during the summer (late May - late July/early August) working closely with a faculty mentor in a mentor/protege relationship to design, conduct and present a scholarly research presentation.

Students interact with other student researchers, faculty and graduate students in different areas of study, using state-of-the-art equipment, and attend seminars on the nature of graduate academic life.

Students also prepare to take the Graduate Record Examination (GRE), and receive counseling on gaining admission to graduate school and available funding opportunities. In addition, the experience provides for a two day retreat at Camp Alta Mons, and provides students with the opportunity to enhance their personal growth and development.

Students devote at least 40 hours a week on their respective research projects and scholarly activities. At the conclusion of the program, students will present their research to their fellow SRI peers, faculty mentors, and guests. The research is presented using a poster format and oral
presentation. This research symposium is the culminating event of the experience, and takes place during the last week of the program.

**Eligibility**

The program is open to undergraduate students from any two-year and/or four-institution from around the United States and territories. Participants must be U.S. Citizens or Permanent U.S. Residents. Participants are selected on the basis of academic achievement, commitment to pursue graduate education, and match of interest with an available faculty mentor.

**Application Deadline:** NO UPDATED INFORMATION


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**Washington University St. Louis**

**Undergraduate Scholars Program**

In accordance with the National Human Genome Research Institute's (NHGRI) Minority Action Plan (MAP), the Outreach Department has developed an umbrella program, Opportunities in Genomics Research (OGR). All programs within OGR are designed to encourage and promote diversity in genomics and genetics as well as to educate the general public about these fields of study. OGR is structured as follows:

An 8-week summer program focused on engaging students in research and intensive academic enhancement/graduate school preparation workshops

**Application Deadline:** NO UPDATED INFORMATION


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**2016 Amgen Scholars Program**

Washington University in St. Louis is recognized as a preeminent research and educational institution. The University provides education, leadership and an environment that future scientists need as they prepare to solve emerging biological problems. We will select scholars based on their academic record, ability, potential to understand scientific principles and intellectual curiosity that will likely make them successful in a research career. We will assess these qualities by carefully reviewing a personal statement and letters from two faculty in the sciences who can address the student’s interest in, and potential for, a career in research. Come and discover the tradition of academic and scientific excellence in a supportive environment as an Amgen scholar at Washington University.

**Eligibility:**

- U.S. Citizens or U.S. Permanent Residents
- Undergraduates enrolled in a four-year college or university in the U.S., Puerto Rico or other U.S. Territory at time of application and participation in the program.
- Have a cumulative GPA of at least 3.2
• Sophomores with (4 quarters or 3 semesters of college experience), Juniors, and Non-Graduating Seniors (who are returning in the fall to continue their undergraduate studies)
• Have an interest in pursuing a Ph.D. or M.D./Ph.D.

Application Deadline: February 1, 2016

More Information:
http://dbbs.wustl.edu/divprograms/SummerResearchforUndergrads/Pages/Amgen-Scholars.aspx

Wright State University

The GRAD-PREP Biomedical Graduate Preparation Program ended in June 2015

GRAD-PREP Biomedical Graduate Preparation Program
Thinking of a career in biomedical sciences, but not sure how to get there? Wright State University can help. Funded by the National Institutes of Health, our GRAD-PREP Scholars program provides research and academic training in the biomedical sciences for university graduates from underrepresented groups who are interested in pursuing graduate degrees. The program provides hands-on research in state-of-the-art laboratories, academic enrichment courses and mentoring activities. Research areas include: genetics/cell biology; neuroscience; genetics/epidemiology; behavior/human factors; and integrative biology/toxicology. As a participant, you will receive guidance through the Ph.D. program selection and application process, and enhance your skills in Graduate Record Exam preparation workshops and mock interviews.

Eligibility:
• A U.S. citizen or permanent resident
• A post-baccalaureate who has completed an undergraduate science degree within 36 months of the program start date
• A member of an underrepresented minority group (i.e. African-American, Native American/Alaskan Native, Hispanic, Hawaiian/Pacific Islander), an individual with a disability, and/or an individual from a disadvantaged background
• Interested in applying to a top quality Ph.D. program

Application Deadline: NO UPDATED INFORMATION

More Information: http://www.med.wright.edu/grad-prep

Short-Term Training Program to Increase Diversity in Health-Related Research
The STREAMS (Short-Term Training Program to Increase Diversity in Health-Related Research) program can help put you on the road to a career in biomedical sciences research. Funded by the National Heart, Lung, and Blood Institute of the National Institutes of Health, STREAMS encourages members of underrepresented minority groups and students with disabilities to choose careers in cardiovascular-related research. As a STREAMS participant, you will spend 80 percent of your time in the program doing laboratory research under the supervision of a faculty mentor. You will also gain valuable
experience reading papers from the primary literature, presenting scientific talks, and exploring the social and ethical implications of scientific research.

**Eligibility:** STREAMS is open to college students from across the United States on a competitive basis. Those applying to the STREAMS program should be:

- An underrepresented minority student (African-Americans, Native Americans, Hispanics or Pacific Islanders) or a student with a disability
- A U.S. citizen or a permanent resident

**Application Deadline:** March 4, 2016

More information: [http://www.med.wright.edu/streams/](http://www.med.wright.edu/streams/)

**Yale University**

Each summer the Yale SURF Program brings a group of qualified undergraduates to Yale for eight weeks. The experience is meant to familiarize students with the kind of work they can expect to do in graduate school, provide them with insight into the many steps involved in building a career based on Ph.D. level training, as well as foster a sense of confidence regarding their own abilities and potential. Students are immersed in an academic, professional setting involving a working relationship with a faculty mentor, a postdoctoral associate, and/or an advanced graduate student, a program of individual research, and participation in a series of program workshops and panel discussions. The focus of the program is primarily on research and on the methods of professional research. Students in the natural sciences learn advanced laboratory methods and conduct Ph.D. level research in state-of-the-art laboratory facilities. Students in the humanities and social sciences work closely with mentors and have at their disposal the considerable archival resources found in the Yale University libraries. Emphasis is also placed on the presentation of research findings to colleagues. All students develop a proposal, give a final presentation to their peers, submit a written final paper, and attend the Leadership Alliance National Symposium to present their research at the meeting.

**Eligibility:**

The SURF Program is intended for students with a strong desire to pursue research careers at the Ph.D. level. The program is particularly interested in identifying and providing research experience to talented underrepresented minority students. Preference is given to students completing their sophomore or junior years. However, other students who express persuasive plans for research may be considered. Participation in the summer program is restricted to US citizens and permanent residents

**Application Deadline:** February 1, 2016

More Information: [http://gsas.yale.edu/diversity/programs/summer-undergraduate-research-fellowship-surf](http://gsas.yale.edu/diversity/programs/summer-undergraduate-research-fellowship-surf)

**Argonne National Library Educational Programs**
Undergrads are just beginning their journey into the world of science and engineering. Here at Argonne, we work to make the world a better place through science and innovation. We pursue discovery by pushing boundaries, challenging ourselves and each other, and stretching our abilities. This makes Argonne an excellent place for undergrads to explore and test their own ideas in science and technology.

Argonne can help undergrads grow, choose and hone their areas of interest with programs that immerse them in cutting-edge research and discovery in all areas of the Lab. Over 100 students each year participate in the various internship opportunities Argonne offers. We also hire undergraduate students for part-time and temporary assignments to provide technical support to our scientists and engineers.

Argonne hosts an annual undergraduate symposium that provides hundreds of undergraduate students opportunities to present their research and network with Argonne scientists and engineers in the same field. This kind of experience develops undergrads for the next stage in their journey.

**Eligibility:**
Varies across programs

**Application Deadline:**

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UC Merced 2016 REU Program in Applied Mathematics
The Applied Math Summer Undergraduate Research Program at UC Merced is called the ARCHIMEDES Summer Program, and it stands for Applied Research In ModEling and Data-Enabled Science. The objectives of the program are to:

1. Introduce students to scientific computing to strengthen programming skills,
2. Use mathematical models to solve real-world problems,
3. Apply computational tools to research level problems, and
4. Analyze results using data and translate into scientific context.

The ARCHIMEDES Program will run for 9 weeks. In the first week, students will participate in a computational "bootcamp" designed to develop fundamental computational skills, preparatory to doing research during the rest of their summer program. The students will then work intensely for the remaining eight weeks, in teams of four and with a faculty mentor, on projects with strong computational and modeling components. Students will actively participate in weekly workshops and presentations to practice and improve their oral communication skills. They will also produce a technical report and a poster, and present at a public research symposium at the end of the program.

ARCHIMEDES participants will receive a $4,500 summer stipend, paid travel to and from UC Merced, free on-campus housing, and meal allowance for the duration of the program.

Application Deadline: March 15, 2016

More Information: http://appliedmath.ucmerced.edu/summer-research

Applications in Modern Materials (AiMM) Summer Research Experience
Join UC Merced in its first annual Research Experiences for Undergraduates Program: Applications on Modern Materials. As the tenth (and newest) campus of the University of California system, participants benefit from amazing resources in a close-knit community of diverse scholars. Take part in cutting-edge research with faculty and graduate student mentors. Seminars will illustrate the variety of research activities in modern materials. Participate in an annual Research Symposia at UC Merced and take a tour of Lawrence Livermore National Laboratory. You will also receive workshops that will prepare you to use your summer research to take the next steps in your STEM career. Applicants must be U.S. Citizens or permanent residents currently in their sophomore, junior, or senior year. Underrepresented minorities, women, and veterans are especially encouraged to apply.

Eligibility:
Opened to undergraduate students in a math, science, or engineering major
Keck School of Medicine of USC Bridging the Gaps Summer Research Program

The Keck School of Medicine’s Bridging the Gaps Summer Research Program will provide an opportunity to outstanding minority students to gain meaningful exposure to the exceptional research and clinical programs at the Keck School of Medicine. The program’s aim is to address the underrepresentation of minority students within medicine and the biological sciences. The ultimate goal is that the majority of these students will want to pursue their medical or graduate studies in the biological sciences at Keck.

The program will serve to bridge gaps in several areas:

1. Increase awareness regarding the roles of physician scientists and basic medical scientists.
2. Increase the number of underrepresented minorities who are physician scientists and basic medical scientists.
3. Increase the number of underrepresented minorities conducting research aimed at reducing health disparities.
4. Increase the number of underrepresented minorities interested in pursuing future studies at Keck.

Students will conduct summer research for eight weeks from June 13 through August 5, 2016 in the laboratories of Keck faculty who will serve as mentors. Students will be provided with both a clinical and basic science perspective. Additionally, all students will attend weekly seminars on health disparities and receive formal instruction in basic physiology and biostatistics. At the end of the summer session, students will present their research findings to the Keck community. All participants will receive a stipend, round-trip transportation from home and university housing.

Eligibility:
In order to be eligible for the program, the candidate must be an underrepresented minority, as designated by the NIH, who has completed the first two years of undergraduate studies at the time of matriculation at a four-year accredited institution. Selection will be based on the student’s demonstrated academic achievements, letters of recommendation, extracurricular activities, leadership qualities, required essay and completed application.

Application Deadline: February 12, 2016

More Information: http://keck.usc.edu/SummerResearchProgram
Novartis Scientific Scholars Program

Our highly competitive Scientific Summer Scholars Program (June 6 - August 12, 2016) provides research training opportunities for top-tier students to gain research experience, enhance their preparation in applying to top graduate and professional programs, and expose them to NIBR's approaches to patient-driven research. Scholars work on their own project with the guidance of a NIBR scientist. NIBR's research covers many disease, science, and technology areas that allow us to closely match your specific interests with one of our labs.

As a Scholar, you will work on your own project with the guidance of a NIBR scientist as well as participate in professional development and social activities:

- Research project: designing and executing experiments; analyzing your own data, learning new experimental techniques, and building your understanding of scientific concepts
- Scientific development: learning about drug discovery projects from experts; showcasing your results to the broader NIBR community; evaluating scientific articles in a fun and interactive setting
- Professional development: engaging in graduate/professional school preparations; cultivating your network with fellow scholars and NIBR scientific leaders; gaining insight into how our community channeled their scientific interests into various career objectives
- Social activities: fostering collegial interactions during a scavenger hunt at a local museum, welcome and farewell events, and NIBR-wide ice cream socials

Eligibility:

Students, who have completed their sophomore year in college or university but not have graduated from a Master's degree program prior to the start of the scholars program, are welcome to apply. Ph.D. and M.D. students are not eligible for this program. Applicants must attend a university in a U.S. state or territory and be eligible to work in the United States. Students should have a strong desire to pursue graduate-level education in biological sciences, chemistry or computational sciences and have at least a G.P.A of 3.3 out of a 4.0 scale.

Application Deadline: December 15, 2015

More Information: https://www.nibr.com/careers/students-scholars

Gateways to Graduate School: The Gap Year Scholars Program
The Gap Year Scholars Program is a 2-year post baccalaureate program at NIBR in Cambridge, Massachusetts. It is designed to provide research training opportunities for highly talented students from historically underserved communities, to gain research experience and increase their competitiveness for top biomedical PhD and MD/PhD programs. This includes first-generation college students, socioeconomically disadvantaged students, individuals with learning differences, and under-represented minorities. Scholars will perform independent research with a dedicated scientific mentor, as well as participate in career panels, seminar series, and graduate school preparations.

As a Scholar, you will work on your own project with the guidance of a NIBR scientist as well as participate in professional development and social activities:

- Scientific excellence: performing innovative and interdisciplinary basic research to deepen your understanding of scientific concepts.
- Scientific communication: sharing your research at local seminars and national conferences; evaluating scientific articles in a fun and interactive setting.
- Professional development: engaging in graduate/professional school preparations; participating in a thriving community of scholars and mentors.
- Academic partnerships: fostering collegial interactions with partner institutions and at welcome & farewell events; enrolling in foundational coursework and working with an external faculty advisor at a prestigious local university.

Eligibility:
Students nearing the completion of their undergraduate studies (in biological sciences, chemistry, computational sciences, biomedical engineering, or pharmacology) and individuals within one year of completing their bachelor's degree are eligible to apply. Students should have a strong desire to pursue a PhD or MD/PhD in the biological sciences, chemistry, or computational sciences. Candidates should have a GPA of at least 3.3 out of a 4.0 scale. Applicants must attend a university in a US state or territory and be eligible to work in the United States. Current PhD, MD students are not eligible.

Application Deadline: January 31, 2016

More Information: https://www.nibr.com/careers/students-scholars#ui-id-2=1

**Step-Up: Short-Term Research Experience for Underrepresented Persons**
The STEP-UP Program provides hands-on summer research experience for high school and undergraduate students interested in exploring research careers. The overall goal of STEP-UP is to build and sustain a biomedical, behavioral, clinical and social science research pipeline focused on NIDDK’s core mission areas of diabetes, endocrinology and metabolic diseases; digestive diseases and nutrition; kidney, urologic and hematologic diseases.

The STEP-UP Program provides research education grants to seven institutions to coordinate three High School STEP-UP Programs and four Undergraduate STEP-UP Programs. STEP-UP is particularly interested in increasing the participation of students from backgrounds underrepresented in biomedical research on a national basis, including individuals from
disadvantaged backgrounds, individuals from underrepresented racial and ethnic groups, and individuals with disabilities.

Application Deadline: February 15, 2016


**Undergraduate Research Opportunities at Washington State University**

- Summer programs funded by NSF Research Experience for Undergraduates (REU), USDA, and faculty grants.
- Mentors are award winning professors
- Generous stipends with many expenses covered
- Facilities are cutting edge
- Poster symposium showcases work to the public
- Expand your personal and professional network by working with students like you from across the US

Application Deadline: Varies depending on program


**Nanoscale Assembly of Molecules and Materials at Indiana University – Chemistry**

The Department of Chemistry at Indiana University hosts a summer research program for outstanding undergraduate students. This research experience for undergraduates (REU) encourages students in the chemical sciences to learn more about materials chemistry, nanoscience, and assembly by providing them with the opportunity to conduct research under the direction of a faculty member and in collaboration with other students. Currently, support for this program comes from the National Science Foundation (NSF Grant # CHE-1460720). REU Fellows are selected in a national competition

Eligibility:

- You must be an undergraduate student attending a two-year or four-year accredited college, having completed at least your freshman year before participating in our REU. High school students are not eligible.
- You must be a US Citizen or Permanent Resident of the United States.
- You must be 18 years of age or older.
- You must not be graduating with a four year degree before the end of the REU Program.
- Have a minimum GPA of 3.00

Members underrepresented in the chemical sciences and those with little research experience are strongly encouraged to apply.

Application Deadline: January 15, 2016

Gateways to the Laboratory Summer Program in New York City for Pre-MD/PhD Students
In 1993, the Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional MD-PhD Program became the first MD-PhD Program in the country to establish a summer program for underrepresented minority and disadvantaged college students who wish to pursue the combined MD-PhD degree. While we’ve "trained" other MD-PhD Programs over the years in running such a successful summer program, to this day, we are the only such program which focuses on freshman and sophomore college students.

The Gateways to the Laboratory Program is highlighted by the NIH as one of the top ten summer programs for underrepresented and disadvantaged students.

Every year, 15 students embark on a 10 week intensive journey of learning about the challenging and gratifying road of becoming a physician-scientist. Over the summer, students will:

- Work independently on a research project at Weill Cornell Medical College, The Rockefeller University or Memorial Sloan-Kettering Cancer Center, all located across the street from each other on the Upper East Side of New York City.
- Present and participate in weekly journal clubs.
- Participate in a hands-on tour of the Gross Anatomy Lab.
- Sit for a Mock MCAT exam.
- Partake in a Lab Techniques Workshop and Clinical Skills Workshop.
- Participate in Career Development Workshops (Presentation Workshop and Interview Skills Workshop).
- Scrub into surgeries at the New York-Presbyterian Hospital.
- Give an oral, written and poster presentation of your research in front of your family, friends and colleagues.
- Have ongoing mentorship by your "Big Sib" (a current MD-PhD student) as well as weekly meetings with the Program's leadership.

Eligibility:
Applicants must be currently enrolled full-time in an accredited public or private college or university in the United States or its territories, as recognized by the U.S. Department of Education. All applicants must:

- Be in good academic standing with a GPA of 3.0 or better.
- Demonstrate a committed interest to pursue graduate study toward a PhD or MD-PhD.
- Have completed at least two semesters and have at least one semester remaining of their undergraduate education by the start of the summer program.
- Be a documented U.S. citizen or non-citizen national, or permanent resident in possession of an alien registration receipt card (I-551) or other legal document of such status at the time of application. International citizens studying in the United States with an F-1 Visa are not eligible for the SR-EIP. Individuals seeking asylum or refugees are not eligible.
Application Deadline: February 1, 2016

More Information: http://weill.cornell.edu/mdphd/summerprogram/

University of Missouri Summer 2016 Undergraduate Research Programs
The Office of Undergraduate Research at the University of Missouri (MU) coordinates a number of summer research programs for undergraduates enrolled at other institutions. All programs run for 9 weeks (Wednesday, June 1 - Friday, July 29), with travel days being Tuesday, May 31 and Saturday, July 30. Students selected for these programs live in on-campus, air-conditioned housing (double rooms), and receive a meal plan, covered by the program. Summer interns also receive one hour of academic/research credit, travel to and from Columbia, and a stipend of $3800.

Eligibility:
Applicants are expected to have completed at least one year of full-time college enrollment prior to June 2016 and be pursuing a major in animal sciences, biology, biochemistry, chemistry, plant sciences, computer sciences, or related fields. Students graduating prior to December 2016 are not eligible. Students must be citizens or permanent residents of the U.S. Please see the information on the individual programs for additional eligibility information.

Application Deadline: February 15, 2016


DESRE (Disparities Elimination Summer Research Experience)
We’re glad you are interested in participating in the Disparities Elimination Summer Research Experience (DESRE) program and learning more about rural health and health disparities issues. DESRE is a 6-week summer research institute for undergraduate and graduate students that provide intensive, full-time, hands-on training in rural health and health disparities. The program is hosted by the Rural Health Research Institute at Georgia Southern University in collaboration with the Center for Rural Health and Health Disparities at Mercer University, and is funded through the National Institutes of Health/National Institute on Minority Health and Health Disparities grant

Eligibility:
Students who will still be active students following the summer internship program. This means that participants must either: 1) be graduating no earlier than December 2016; 2) have proof of acceptance into a graduate program for the Fall 2016 semester.

Application Deadline: January 15, 2016

More Information: http://class.georgiasouthern.edu/rhri/desre/

U.S. Meat Animal Research Center (USMARC) 2016 Summer Research Internship Program
The USMARC Undergraduate Research Internship Program provides an opportunity for college students interested in a possible research career in animal agriculture to receive cutting edge research experience while under the mentorship of established Agricultural Research Service (ARS)
scientists. Students will be selected on a competitive basis to fill one of eight internships. Students will apply for a specific research project by selecting from abstracts that describe available projects within each Research Unit. In addition to their research project, students will participate in formal weekly discussions, which will provide the opportunity to share their experiences with their peers and other research scientists at the Center.

Application Deadline: (must be postmarked by) February 5, 2016


**Georgia Tech College of Engineering SURE Program**
SURE is a 10-week summer research program designed to attract qualified under-represented minority and women students into graduate school in the fields of engineering and science. As one of the longest running REU programs in the country, SURE has a proud legacy of helping students enter into graduate programs, especially at the Georgia Institute of Technology.

Each summer, approximately 30-40 students of at least junior-level undergraduate standing are recruited on a nationwide basis and paired with both a faculty and a graduate student mentor to undertake research projects in the **College of Computing**, **College of Engineering**, and **College of Sciences**.

**Program highlights include:**
- 10 weeks of undergraduate research
- On campus housing
- $5000 stipend
- Round-trip travel reimbursement up to $600
- Meal plan
- Weekly professional development and graduate school preparation seminars
- Industry visits
- Graduate student and faculty mentoring
- Social activities

**Deliverables:**
- Oral and poster research presentations
- Draft of a personal statement and research proposal due on or before the final research symposium
- SURE is supported by funding from the National Science Foundation, Intel Corporation and other federal and corporate sponsors.

**Program Dates:** May 22- July 29, 2016

**Application Deadline:** March 1, 2016
More information: [http://www.sure.gatech.edu/](http://www.sure.gatech.edu/)