

Summer Research Experiences for Undergraduates

Northwestern University (Physical Sciences Oncology Center)

Eight-week summer program for underserved college students with interests in both the physical and biomedical sciences. This program will allow students concentrating in engineering, mathematics, or the physical sciences to participate in research that applies physical sciences concepts and methodology to problems in tumor biology. Applicants must be members of underserved populations, which, in the physical and biomedical sciences, include African Americans, Hispanics, American Indians, individuals with disabilities, and first-generation college students.

Application: <http://www.psoc.northwestern.edu>

Contact: Benette Phillips, PhD (schallma@casbah.it.northwestern.edu)

CURE Program

Northwestern University (Robert H. Lurie Comprehensive Cancer Center)

Eight-week program for underserved undergraduate students with interests in research in molecular and cellular basis of tumor growth, invasion, and metastasis. Applicants must be African American, Hispanic, Pacific Islander, or Native American.

Application: <http://www.cancer.northwestern.edu/cure/index.cfm>

Contact: Robin Leikin, PhD (rleikin@northwestern.edu)

Summer Research Opportunity Program (SROP)

Northwestern University (The Graduate School)

The program is eight weeks and includes faculty-supervised research, enrichment activities that prepare undergraduates for graduate school, and a research conference.

Application: <http://www.tgs.northwestern.edu/studentlife/multiculturaloffice/research/srop>

Contact: Mario Craigen (m-craigen@northwestern.edu)

NSF Summer Research Experience for Undergraduates (REU) Site in Cell, Developmental and Evolutionary Biology

University of California, Berkeley

This program is designed to expose participating students to core concepts of Cell, Developmental, and Evolutionary Biology.

Information: <http://mcb.berkeley.edu/nsfreu/>

Contact: reupplc@lists.berkeley.edu

UC Berkeley Amgen Scholars Program

University of California, Berkeley

This program provides research experience, enhances participants' research skills, and exposes students to the diversity of research offered at Berkeley and encourages an interdisciplinary approach to science.

Application: amgenscholars.berkeley.edu

Contact: Audrey Knowlton (amgenscholars@berkeley.edu)

Continuing Umbrella of Research Experiences

Harvard University (Dana-Farber/Harvard Cancer Center)

The CURE program introduces high school and undergraduate students from underrepresented minority groups to the world of cancer research by placing them in real research settings for a summer or two year experience.

Information: www.dfhcc.harvard.edu/research-training

Four Directions Summer Research Programs

Harvard University (Brigham and Women's Hospital/Harvard Medical School)

The FDSRP is an eight week program for undergraduate students with a demonstrated commitment to the health of Native American communities.

Information: www.dfhcc.harvard.edu/research-training

Summer Honors Undergraduate Research Program

Harvard University (Harvard Medical School)

The SHURP is a ten week summer research program for undergraduate students belonging to minority groups underrepresented in the sciences. Research opportunities are available in a variety of biological and biomedical sciences.

Information: www.dfhcc.harvard.edu/research-training

Center of Excellence in Genomic Science

Harvard University (Dana-Farber/Harvard Cancer Center)

The CEGS program offers a summer (undergraduate) or two year (post-baccalaureate) scientifically diversified training opportunity to students of underrepresented minority groups who are preparing to apply to graduate programs in genomics or a related field.

Information: www.dfhcc.harvard.edu/research-training

ACCESS Summer Research Program

Weill Cornell Graduate School of Medical Sciences

The internship program was established to provide training to undergraduate students in the biomedical sciences. The aim of the internship is to awaken and foster an interest in biomedical research and education.

Information: <http://weill.cornell.edu/gradschool/>

Contact: gsms@med.cornell.edu

Stanford Summer Research Program/Amgen Scholars Program

Stanford University

This program offers Ph.D. or M.D./Ph.D. seeking undergraduates a unique opportunity for advanced research experiences within a world-class university. This fully funded, eight-week, residential internship program combines a rigorous research opportunity with comprehensive mentoring.

Application: <http://ssrp.stanford.edu>

Summer Research Fellowship Program

National Institute of Mental Health

This program seeks to expose students, early in their academic careers, to research investigation in a highly enriched environment that is devoted exclusively to biomedical research and training.

The program is open to high school, college, and graduate students.

Application: <http://www.training.nih.gov>

Summer Undergraduate Research Experience (SURE)

Emory University

This ten-week program provides hands-on training for students of the sciences. Participants receive training in research methods, analyze data, and present results of their work at a formal research symposium. Additionally, SURE students participate in weekly seminars on graduate school admissions, science careers, and research ethics.

Information: www.cse.emory.edu/SURE

Contact: Dr. Cathy Quiñones (srp@learnlink.emory.edu)

Summer Microbiology Undergraduate Research Program

University of Iowa

This ten-week program is designed for students who are interested in a career in science and would like to do experimental research in microbiology.

Information: <http://www.uiowa.edu/microbiology/summer/shtml>

Contact: undergrad-micro-info@uiowa.edu

Gerstner Sloan-Kettering Summer Undergraduate Research Program

Focus: Cancer

Begins: First Monday in June

Lasts: 10 consecutive weeks

Selection Criteria: Undergraduate Freshmen, Sophomores or Juniors contemplating career in biomedically related sciences

Minimum 3.0 GPA

Should have completed General Biology and/or Introductory Chemistry

Application: Undergraduate transcript

Two letters of recommendation by faculty members or research advisors

Indication of inclination towards research in application

Application found at www.sloankettering.edu

Stipend: \$3000 + housing

Deadline: February 1

Notification: Between March 1 and March 15

The Summer Undergraduate Research Experience at Johns Hopkins

Focus: Visualization of Macromolecules in Biological Research

Especially Looking to Recruit: Undergraduates attending institutions with limited research opportunities

Rising Sophomores

Community College Students

Non-traditional students (first generation college students, veterans, older students)

Open to: U.S. citizens and permanent residents

Undergraduates at 2- or 4-year colleges and universities

Application: Transcript

Two letters of recommendation

Essay

Application available in January at www.bio.jhu.edu/BioREU

The Summer Research Early Identification Program (SR-EIP)

Looking to Recruit: Students underrepresented in sciences, engineering, social sciences and humanities

Offered at: 21 member institutions and one corporate partner (Ivy Leagues, Eli Lilly, UChicago, etc.)

Selection Criteria: Minimum 3.0 GPA

Have completed at least 2 semesters and have at least 1 semester of undergrad remaining

Interested in pursuing PhD or MD/PhD

U.S. citizen or permanent resident

(Not for students interesting in law, business admin, clinical medicine, clinical psychology or the allied health professions)

Application: www.theleadershipalliance.org

Current resume

Statement of Purpose

Two letters of recommendation

Official transcripts (including Fall 2010)

Biographical and academic information

Funding: Travel, housing, stipend

Deadline: February 1

Notification: March/April at the latest

University of Michigan Medical Scientist Training Program

Focus: MD/PhD (biomedical research and clinical experience)

Lasts: June 6 – August 12 (10 weeks)

Especially Looking to Recruit: Underrepresented in sciences (by education, culture or geographic background) OR

Those with financial hardship as a result of family circumstances OR

Those with a physical or mental disability that limits one or more major life activities

Selection Criteria: Current undergrad (those NOT applying to Med/Grad School for 2011)

U.S. citizen or permanent resident

Have completed a science course with lab component

Must be able to show proof of health insurance coverage

Deadline: February 12

Application: <http://www.med.umich.edu/medschool/mstp>

NIBR Scientific Summer Internship Program

(Novartis Institute for BioMedical Research)

Focus: Specific diseases, pathway discovery or new technologies (Pharmaceutical)

Lasts: June – August

Location: Cambridge, MA (main site), NJ, CA

Funding: Housing and travel based on financial need

Selection criteria: Open to all students regardless of socioeconomic background
Must have completed sophomore year in college by beginning of internship
Must be eligible to work in US

Deadline: January 15 if applying for financial assistance, otherwise March 1

Notification: March 15

Application: www.nibr.com/careers/internships_ca.shtml

Southwestern Graduate School of Biomedical Sciences SURF

Focus: Many areas – Biochem, Biophysics, Immunology, Neuroscience, Genetics, Chemistry, Developmental Biology, etc.

Lasts: June 6 – August 12

Location: Dallas, TX

Funding: \$4000 + housing (but not travel)

Selection Criteria: Must be a science major

Must have completed sophomore year of college

College grades, relevant experience, letters of recommendation

Deadline: February 9 (all materials)

Application: www.utsouthwestern.edu/SURF/SURFapp

Southwestern Graduate School of Biomedical Sciences SURF

Focus: Quantitative and Physical Sciences (Biophysics, Computational Biology, etc.)

(most info same as preceding SURF listing for Southwestern)

Application: www.utsouthwestern.edu/QP-SURF/QF-SURFAPP

NIH Summer Internship

Focus: Anything at NIH!

Lasts: (flexible) – Start anytime from May to July

Location: Bethesda (main site), some other minor sites

Funding: Monthly stipend for 8-10 week program

Selection Criteria: US citizen or permanent resident

16 years or older

Enrolled at least half-time in high school or college

Will enroll at least half-time in high school or college in the fall

Deadline: March 1

Application: www.training.nih.gov/programs/sip

CV/Resume

List of coursework and grades

Cover letter (research interests and career goals)

Names and contact info of two references

Johns Hopkins Bloomberg School of Public Health Diversity Summer Internship Program

Focus: Biomedical and/or Public Health Research

Lasts: May 29 – August 7

Location: Baltimore

Looking to Recruit: Underrepresented minority groups

Those from economically disadvantaged backgrounds

Interested in careers in science, medicine or public health

Selection Criteria: Public Health: Must have completed 2 years of college

Pulmonary and Critical Care Medicine Division: Must have completed 1 year of college

U.S. citizens or permanent residents

2-3 Letters of Recommendation

Personal Statement

Interest in pursuing graduate study

Funding: Stipend + housing + free transportation (probably by bus)

Deadline: February 1

UTMB Graduate School of Biomedical Sciences

Focus: Lots! Biochem, Immunology, Biodefense, Emerging Infectious Diseases, etc.

Location: Galveston, TX

Lasts: 10 weeks, June-August

Selection Criteria: College student contemplating graduate study in biomedical sciences

Unofficial transcript

Two letters of recommendation from faculty members

Completed Application

Application: <http://www.gsbsdev.utmb.edu/programs/surp/default.html>

Funding: Stipend (not travel or housing, but they can help arrange this)

Harvard Integrated Life Sciences: HILS

<http://www.gsas.harvard.edu/hils/summerinternships.html>

Summer Honors Undergraduate Research Program (SHURP) at Harvard Medical School

SHURP is a ten-week summer research program primarily for college students belonging to groups that are under-represented in the sciences. In addition to laboratory-based research with Harvard Medical School faculty, the program includes research and career development seminars and a peer mentoring program. Stipend, housing, and travel are provided. Administered by the Division of Medical Sciences (PhD programs office) at Harvard Medical School every year since 1991, SHURP is offered for currently-enrolled undergraduates who are considering careers in biological or biomedical research sciences, who have already had at least one summer (or equivalent term-time) of experience in a research laboratory, and who have taken at least one upper-level biology course that includes molecular biology. U.S. citizenship or permanent residency is required. For more information, including a FAQ page, see

<http://www.hms.harvard.edu/dms/diversity/shurpintro.html>

Four Directions Summer Research Program at Harvard Medical School

The Four Directions Summer Research Program is offered to Native American undergraduate students and is run by Native American medical student members of the Native American Health Organization at Harvard Medical School. Established in 1994, this program has hosted approximately 150 participants. The Four Directions Program welcomes applicants who are interested in becoming familiar with the medical and research community at Harvard Medical School, and who are seriously committed to helping their Native American communities. Interns engage in a wide range of research activities, work closely with advisors, and participate in career seminars about MD and PhD admissions and programs.

<http://www.fdsrp.org/>

Health Policy Summer Program at Harvard Medical School

The Health Policy Summer Program offers paid, mentored summer research experiences over a 10-12 week period with senior Harvard faculty in the areas of health services or health policy research to undergraduate juniors or seniors attending MARC-funded institutions, Hispanic Serving Institutions, Historically Black Colleges and Universities and Tribal Colleges.

<http://www.hms.harvard.edu/dcp>

Molecules, Cells, and Organisms (MCO) Undergraduate Summer Internship Program

In partnership with Harvard University's Senior Vice Provost Office for Faculty Development and Diversity and the Leadership Alliance Consortium, the Department of Molecular and Cellular Biology offers a 10-week summer internship as part of its Molecules, Cells and Organisms (MCO) Training Program. This internship introduces undergraduate students to the diverse research interests of the MCO faculty and exposes them to the wide variety of techniques and experimental approaches to important questions at the cutting edge of biology today. Interns join MCO faculty labs and participate in research projects, attend faculty lectures, work with current MCO graduate students, and take part in joint field trips with other Harvard summer programs. Students in the program live in Harvard undergraduate student housing. The program provides all research-related expenses, room and board, travel to and from the program, as well as a stipend. This internship is offered for currently-enrolled undergraduates who are considering PhD careers in the life sciences and who have already had at least one upper-level course in their field of study.

<http://www.faculty.harvard.edu/preparing-academic-career/undergraduate-students/summer-research-opportunities-harvard-sroh>

Summer Program in Biological Sciences in Public Health

The Summer Program in Biological Sciences in Public Health at the Harvard School of Public Health is a 9-week laboratory-based biological research program for undergraduates belonging to underrepresented groups during the summer following their sophomore or junior years. The program goal is to expose college science students (who will be juniors or seniors in the fall) to the rewards of laboratory research directed towards solving important public health problems such as infections (malaria, TB, parasites), cancer, lung diseases, multifactorial, multigenic and common diseases of aging, diabetes, obesity. Scientific approaches include regulation of cell growth and gene regulation, cellular metabolism, DNA modification, cellular signaling, and structure-function analyses. The overall mission of the program is to recruit qualified students for graduate-level training leading to research careers in the biological sciences.

<http://www.hsph.harvard.edu/academics/biological-sciences/undergraduate-summer-internship-program>

FAS Center for Systems Biology Undergraduate Research Internships

The FAS Center for Systems Biology at Harvard University invites interested undergraduates to apply for summer research internships. Internships will last for ten weeks (or longer by mutual agreement), and each intern will have the opportunity to learn a range of current techniques in the fields of systems biology, genomics, or bioinformatics in a small, interactive research group environment. Interns will also attend weekly group meetings and faculty lectures. The Center's researchers come from diverse backgrounds and fields of science, from biology (including genetics, cell biology and evolution) to applied mathematics and computation. The internship includes field trips to other local institutes, such as Harvard Medical School and the Broad Institute

<http://sysbio.harvard.edu/csb/jobs/undergraduate.html>

Summer Program in Quantitative Sciences at the Harvard School of Public Health

The Summer Program is an intensive 4-week introduction to biostatistics, epidemiology, and public health research. Based at the Harvard School of Public Health, this program is designed to introduce qualified undergraduates to the use of quantitative methods for biological, environmental and medical research purposes, and to demonstrate the application of quantitative methods to the study of human health.

<http://biosun1.harvard.edu/diversity/summer/spb-intro.html>

Dental Summer Research Program at the Harvard School of Dental Medicine

The Harvard School of Dental Medicine (HSDM) hosts an eight-week, paid summer research program for undergraduate students, particularly those from underrepresented minority groups, who are considering careers in dentistry and are interested in enhancing their background in research. Each year, two students are selected; each participant is assigned a faculty member at HSDM who serves as a research mentor to supervise the student's research project in basic science or public health epidemiology.

For more information contact Anne L. Berg | (617) 432-1444 | anne_berg@hsdm.harvard.edu

Summer Research Trainee Program (SRTP) at Massachusetts General Hospital (MGH)

The goal of the SRTP program is to provide underrepresented minority students with an eight week overview of opportunities available in biomedical research and clinical medicine. Students are assigned to MGH laboratories or clinical sites where they undertake original research projects and prepare oral or written presentations of their work under the mentorship of an MGH investigator. The program is open to underrepresented minority students who have completed at least three years of college and/or first and second year medical students; no prior research experience is necessary.

<http://www.massgeneral.org/mao/summer.html>

Continuing Umbrella of Research Experiences (CURE) Program at Dana-Farber/Harvard Cancer Center (DF/HCC)

The CURE program introduces high school and college students from underrepresented minority populations to the world of cancer research. Each year several students are selected for CURE

internships, which are delivered via a 9 week full-time summer program or a 2 year part-time experience. Participants are assigned individual advisors and do hands-on cancer research work as well as attend seminars, obtain career/professional development counseling, and learn about issues and ethics in research. Applicants must demonstrate an interest in pursuing a biomedical or health-related career.

<http://www.dfhcc.harvard.edu/center-initiatives/iecd/student-training/cure-program/>

Harvard Stem Cell Institute (HSCI) Internship Program (HIP)

HIP provides an opportunity for Harvard and non-Harvard undergraduates to gain direct experience in stem cell research while working in a Harvard Stem Cell Institute (HSCI) laboratory under the supervision of an experienced researcher. Interns participate in a stem cell seminar series and a career pathways presentation, and present their summer research findings in the HIP Symposium. Candidates must express a strong interest in stem cell biology, but not necessarily have previous lab experience. Approximately 35 students are selected for 10 week internships; longer engagements may be arranged by mutual agreement.

<http://www.hsci.harvard.edu/research/hsci-internship-program-hip>

Summer Training in Academic Research and Scholarship (STARS) Program at Brigham and Women's Hospital (BWH)

The STARS internship provides underrepresented minority (URM) medical and undergraduate students with an opportunity to engage in basic, clinical and translational research projects during an 8 week summer program at Brigham and Women's Hospital (BWH) and Harvard Medical School (HMS)--with the goal of encouraging scholars to pursue advanced medical and graduate-level science training. The focus of internship activity is participation in a research project under the supervision of a medical school faculty mentor. Additional activities include "Research 101" education and training sessions, social networking opportunities, weekly roundtables with BWH Faculty and the Office for Multicultural Faculty Careers, and community health center/clinic shadowing.

<http://www.brighamandwomens.org/CFDD/OMC/STARS.aspx>

Summer Undergraduate Program in Immunology at Harvard Medical School

The Immunology Graduate Program at Harvard Medical School offers a 10 week Summer Undergraduate Program in Immunology. This internship program provides participants with a combination of weekly lectures and laboratory work with faculty from the Immunology Graduate Program, and includes extensive interactions with graduate students and postdoctoral fellows. The intent of this initiative is to provide undergraduate students with an exposure to current topics in immunology. Participants from colleges in which the topic is not taught or presented in depth are especially welcome, and individuals from under-represented minority groups are especially encouraged to apply. Preference will be given to students who are in their sophomore or junior year.

<http://www.hms.harvard.edu/dms/immunology/SummerProgram.html>

Research Experience for Undergraduates (REU) at the Harvard School of Engineering and Applied Sciences

The School of Engineering and Applied Sciences (SEAS) Research Experience for Undergraduates (REU) program is a mechanism for integrating a broad spectrum of undergraduates into bioengineering, materials research, nanoscience, and engineering. REU provides its interns with a coordinated, educational and dynamic research community to inspire and encourage them to continue on to graduate school. Summer research opportunities for undergraduates are arranged in conjunction with the Materials Research Science and Engineering Center (MRSEC), the Nanoscale Science and Engineering Center (NSEC), as well as other Harvard-based engineering and science entities. Professional development workshops, faculty seminars on research and ethics, and community activities are integrated into the program. Students receive a summer stipend, and housing is provided.

<http://eduprograms.seas.harvard.edu/reu.htm>

Summer Biomedical Informatics Training Program

The Summer Biomedical Informatics Training Program is a new 8 week paid internship program for undergraduate students interested in a biomedical informatics career sponsored by the The Center for Biomedical Informatics (CBMI) at Harvard Medical School (HMS). Each intern will be provided with a CBMI mentor and research project, and will participate in seminars and visit affiliated laboratories. Presentations of written and oral summary project reports are required at the end of the summer. Participants must be junior or senior undergraduates, and must be United States citizens or permanent residents of the United State. Applicants from diverse and/or underrepresented racial and ethnic groups are welcome; a computer science background is mandatory as well as an interest in biomedicine. Students will receive a weekly stipend.

For more information contact Katherine Flannery| (617) 432-7294 |

Katherine.Flannery@hms.harvard.edu

Summer Clinical and Translational Research Program (SCTRP) at Harvard Medical School

The Summer Clinical and Translational Research Program (SCTRP) is a new 10 week mentored summer research program designed to enrich the understanding of undergraduate students-- especially those from under-represented minority and economically disadvantaged groups-- in clinical and/or translational research. In addition to a mentored clinical/translational research experience, SCTRP students will participate in weekly seminars with Harvard faculty and graduate students focusing on topics such as research methodology, health disparities, ethics, career paths, and the graduate school and medical school application process. Interns will also have the opportunity to participate in offerings of other Harvard Medical School programs such as career development seminars and networking dinners. Program participants are provided with housing, a stipend, and financial assistance of up to \$500 toward travel expenses. Eligible candidates are undergraduate sophomores, juniors and seniors with U.S. citizenship.

<http://www.mfdp.med.harvard.edu/Catalyst/CollegeStudents.html>

Summer Research Opportunities at Harvard (SROH)

Summer Research Opportunities at Harvard (SROH) is offered for currently-enrolled undergraduates who are considering Ph.D. careers in the humanities, social sciences, and life/physical sciences and who have already had at least one upper-level course in their field of study. U.S. citizenship or permanent residency is required. This 8 week program will be held in conjunction with the Harvard MCO, Systems Biology, and Summer School Programs, in partnership with the Harvard University's Senior Vice Provost Office for Faculty Development & Diversity (FD&D) and the Leadership Alliance Consortium. SROH interns are placed in faculty labs in Cambridge spanning fields in the life and physical sciences, and their activities include weekly faculty lectures from departments in the Faculty of Arts & Sciences (FAS), weekly group meeting discussions of student research projects, and joint field trips with other Harvard summer programs. Students in the program will live in Harvard Summer School housing. The program will provide all research and course related expenses, room and board, travel to and from the program, as well as a stipend.

<http://www.faculty.harvard.edu/preparing-academic-career/undergraduate-students/summer-research-opportunities-harvard-sroh>

Harvard Forest Summer Research Program in Ecology

The Harvard Forest Summer Research Program in Ecology is a 12-week research program that allows students to participate in on-going research at the Harvard Forest in Petersham, MA. Projects focus on the effects of natural and human disturbances on forest ecosystems, including global warming, hurricanes, forest harvesting, and invasive organisms. Researchers come from many disciplines, and specific studies center on population and community ecology, paleoecology, land-use history, aquatic ecology, biochemistry, soil science, ecophysiology, and atmosphere-biosphere exchanges. Students work with mentors from Harvard and collaborating institutions. Responsibilities may include field sampling, laboratory studies, data analysis and scientific writing. In addition, students attend seminars given by nationally known scientists and workshops on career and graduate school preparation. At the end of the summer, students develop their research results, prepare an abstract, and present their findings at a student research symposium. The program provides room, board and a competitive stipend.

<http://harvardforest.fas.harvard.edu/education/reu/reu.html>

MCO (Molecules, Cells and Organisms) Undergraduate Summer Internship Program

Focus: Molecular and Cell Biology, Organismic and Evolutionary Biology, Chemistry and Chemical Biology, Stem Cell and Regenerative Biology

Application: Through the Summer Research Opportunities at Harvard (SROH) Program offered through the Leadership Alliance

<http://www.faculty.harvard.edu/preparing-academic-career/undergraduate-students/summer-research-opportunities-harvard-sroh>

University of Pittsburgh School of Medicine Interdisciplinary Biomedical SURP

Focus: Genetics, Cell Biology, Pathology, Immunology, Biophysics, Pharmacology, etc.

Selection Criteria: Rising sophomore or junior in a U.S. college or university

International students welcome to apply if currently in F1 or J1 status.

Students from groups underrepresented in the sciences encouraged to apply

Early Deadline: February 1

Final Deadline: March 1

Application: www.gradbiomed.pitt.edu

University of Iowa Summer Microbiology Undergraduate Research Program 2011

Focus: Biological Sciences

Selection Criteria: US citizen or permanent resident. Rising junior or senior working toward BA in the biological sciences. Disabled students, minority students, and disadvantaged students (economically or first in family to attend college) are especially encouraged to apply.

Deadline: February 15

Application: <http://www.uiowa.edu/microbiology/summer.shtml>

Emory University – Summer Undergraduate Research Experience

Focus: Biology, Biomedical Sciences, Chemistry, Physics, Mathematics, Computer Science, Anthropology, Psychology, and Environmental Studies

Selection Criteria: Rising sophomores, juniors, and seniors majoring in science-related fields. Women and students with disabilities are highly encouraged to apply.

Deadline: early February

Application: www.cse.emory.edu/SURE

Stanford – Summer Research Program

Focus: Biochemistry, Bioengineering, Biomedical Informatics, Biology, Biophysics, cancer Biology, Chemical and Systems Biology, Developmental Biology, Genetics, Immunology, Microbiology and Immunology, Molecular and Cellular Physiology, Neurosciences, and Structural Biology

Selection Criteria: Sophomores, juniors, or non-graduating seniors enrolled in 4-year undergraduate institution. US citizens or permanent residents. The program especially encourages applications from African Americans, Hispanic/Latino Americans, Native Americans, Pacific Islanders, and others whose backgrounds and experiences would bring diversity to the field.

Deadline: early February

Application: <http://ssrp.stanford.edu>

Weill Cornell Graduate School of Medical Sciences – ACCESS Summer Research Program

Focus: Biochemistry and Structural Biology, Cell and Developmental Biology, Immunology and Microbial Pathogenesis, Molecular Biology, Neuroscience, Pharmacology, Physiology, Biophysics, and Systems Biology

Selection Criteria: US citizens or permanent residents. Must have individual insurance for duration of program. Preference for students with GPA of 3.0 or higher.

Deadline: February 1

Application: <http://weill.cornell.edu/gradschool/>

Northwestern University Physical Sciences Oncology Center – Summer Research Experience for Undergraduates

Focus: Engineering, Mathematics, and Physical Sciences

Selection Criteria: Rising sophomores, juniors, and seniors majoring in engineering, applied mathematics, or a physical science. Are members of underserved populations such as African American, Hispanic, American Indian, individuals with disabilities, and first-generation college students.

Deadline: March 1

Application: <http://www.psoc.northwestern.edu>

Northwestern University – CURE Summer Biomedical Research Program

Focus: Investigation of the molecular and cellular basis of tumor growth, invasion, and metastasis

Selection Criteria: US citizen or permanent resident with a GPA of at least 3.0. Rising freshmen, sophomores, juniors, and seniors, pursuing a major in the sciences. Transcript should demonstrate record of academic achievement. Must be African American, Hispanic, Pacific Islander, or Native American

Deadline: March 1

Application:

http://www.cancer.northwestern.edu/research/training_travel/summer_research/index.cfm

University of California Berkeley – NSF Research Experience for Undergraduates

Focus: Integrative Biology, Molecular and Cell Biology, and Plant and Microbial Biology

Selection Criteria: US citizens or permanent residents. Motivated students interested in biological research and possibility of pursuing PhD. Have completed at least one course in chemistry and one course in biology before applying. Non-graduating students pursuing BA at 4-year undergraduate institution. Must have health insurance. Students from groups underrepresented in bioscience fields, economically disadvantaged backgrounds, or who are the first generation in their families to attend college are encouraged to apply.

Deadline: January 31

Application: <http://mcb.berkeley.edu/nsfreu/>

University of California Berkeley Amgen Scholars Program

Focus: Biochemistry and Molecular Biology, Bioengineering, Biophysics, Cell and Developmental Biology, Chemical Biology, Chemical Engineering, Genetics/Genomics and Development, Immunology, Integrative Biology, Microbiology, Molecular Genetics, Neurobiology/Neuroscience, Plant and Microbial Biology, Structural Biology, and Synthetic Biology (SynBERC)

Selection Criteria: US citizen or permanent resident. Undergraduate enrolled in four-year college or university in US, Puerto Rico, and other US territories. Sophomores, juniors, and non-graduating seniors. GPA of 3.2 or higher. Interest in research and pursuit of PhD or MD/PhD. Prior research is preferred. Applicants from diverse backgrounds are encouraged to apply.

Deadline: February 1

Application: amgenscholars.berkeley.edu

Northwestern University Graduate School – Summer Research Opportunity Program

Focus: Chemical Sciences, Biological Sciences, Engineering, Environmental Sciences, Medical Sciences, English, History, Theatre and Performance Studies, Physics and Astronomy,

Neuroscience, Political Science, Managerial Economics and Decision Sciences, Religious Studies, Radio/Television/Film, African American Studies, and Communication Studies.

Selection Criteria: US citizens and permanent residents. Sophomores and juniors. GPA of at least 3.3 on 4.0 scale. Have an interest in pursuing a doctoral degree at Northwestern University. Students from groups that have been traditionally underrepresented in graduate schools (e.g., certain racial and ethnic minorities, first-generation college students, etc.) are encouraged to apply.

Deadline: February 7

Application: <http://www.tgs.northwestern.edu/studentlife/multiculturaloffice/research/srop/>

Dana-Farber/Harvard Cancer Center – Research Training Opportunities

Focus: Biomedical, Behavioral, and Clinical Research

For additional information about various opportunities (e.g. Four Directions Summer Research Program, CURE Program, Center of Excellence in Genomic Science program, and the Summer Honors Undergraduate Research Program), selection criteria, and deadlines, visit website at:

www.dfhcc.harvard.edu/research-training