

Internships in Scientific Research or Medicine

The following compilation features research internships in science or medicine offered nationwide for high school, undergraduate, post-baccalaureate, and graduate students. The compilation is organized by academic level and discipline and the programs are alphabetized according to the name of the sponsoring institution. For more information about a specific internship, please refer to the program's website or contact the respective administrator.

***Note:** This document is updated annually in the Fall. If you would like your program to be featured in this compilation, please contact Jennifer Anderson (janderso@fhcrc.org).

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Prepared by: Noah Espinoza (nespinoz@fhcrc.org).

This compilation is supported in parts by NCI grants: 3 P30 CA015704-38S1, U54 CA132381, and 5 U54 CA132383.

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Internships in Scientific Research for High School Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
Cancer Research Center of Hawai'i (Hawai'i)	The goal of the Summer Internship Program is to encourage high school and undergraduate students to pursue future careers in the biosciences, particularly cancer research. At the same time, students make a valuable contribution to the UH Cancer Center's research mission. By participating in a research program, interns will learn from experts who are devoted to preventing, treating, and curing cancer. Each year, a number of promising students are selected for this unique opportunity to expand and extend their interest in cancer research.	✓ High school student junior or senior (at least 16 years of age or turning 16 before starting the program) OR a college sophomore or junior. ✓ Be a Hawai'i resident. ✓ Academic minimum: 3.5 GPA. ✓ Member of an underrepresented group in the sciences (racial and ethnic, first generation to attend college, economically disadvantaged).	High school students receive \$1500 for 200 internship hours. Undergrad students will receive a \$3,000 stipend for participation in the nine-week internship. For more information, visit the website. If you have additional questions, please send an email to Karin Koga.
Cincinnati Children's Hospital Medical Center (Ohio)	The Summer Undergraduate Research Fellowship (SURF) provides an opportunity for students to explore laboratories in the Department of Pediatrics, University of Cincinnati College of Medicine and conduct a research project under the direction of a faculty member at Cincinnati Children's. Students will also participate in various academic programs, including research seminars, journal clubs, and career days, as well as social activities with interns from other programs at the university. Interns will present their research project at a poster competition.	✓ Junior or senior in high school OR undergraduate student of freshmen, sophomore or junior standing. ✓ Academic minimum: 3.0 GPA. ✓ U.S. citizen or permanent resident. ✓ Must have an interest in pursuing a career in biomedical research or medicine.	Students will receive a \$3,200 stipend. For more information, visit the website. If you have additional questions, please send an email to the program.
City of Hope (California)	The Roberts Summer Academy offers high school and undergraduate students an opportunity to spend 10 weeks at the City of Hope as a member of a biomedical research team. This experience is designed to promote the development of critical thinking and scientific communication skills.	✓ Posses a strong interest in learning more about biomedical research. ✓ At least 16 years of age and registered at an accredited high school, college, or university. ✓ Willing to make a full-time commitment to a research project.	Students will receive a \$4,000 stipend. For more information, visit the website. If you have additional questions, please send an email to Dr. Michelle Navarro.
Herman B. Wells Center for Pediatric Research (Indiana)	The goals of the Wells Center are to increase knowledge of the causes and mechanisms of serious pediatric diseases, to develop innovative approaches to diagnosis and treatment of childhood diseases, and to provide	✓ *Currently enrolled undergraduate OR graduate student in a science major. ✓ Must be able to commit to participating in the entire 10-week	Students will receive a \$2,500 stipend. Interns are responsible for their own housing and transportation arrangements. For more information, visit the website. If you have additional questions, please send

Internships in Scientific Research for High School Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	an outstanding training environment for medical and graduate students, residents, and fellows. Students will be paired with individual faculty in one of 34 laboratories. Students are encouraged to attend weekly seminars and research-related center meetings each week, as well as other academic events that involve the Wells Center faculty (e.g., combined seminar series, seminars of faculty candidates, Weekly Basic Science Research Forum and Pediatric Faculty Research Seminar Series). Interns are required to make a presentation at the conclusion of the program.	program. <i>*Note:</i> Preference will be given to college undergraduate and graduate students, but high school students (seniors) may also apply.	an email to Leigh Crick or call: (317) 278-0746.
Indiana University, Melvin and Bren Simons Cancer Center (Indiana)	The Indiana University Simon Cancer Center Summer Research Program (SRP) is offered to students from underrepresented population groups who are pursuing careers in biomedical and behavioral sciences. Students will gain exposure to a wide range of basic science, translational and clinical research activities and continually interact with and learn from other students, clinical and post-doctoral fellows, and faculty. Interns will also attend weekly workshops that deal with issues related to gaining admission to graduate and professional programs of study.	✓ High school OR undergraduate student. <i>High school</i> students must: ✓ Have completed their junior year. ✓ Display an aptitude for science and math. ✓ Academic minimum: 3.0 GPA. <i>Undergraduate students</i> must: ✓ Complete at least 24 hours of college credit. ✓ Major in biomedical or behavioral science. ✓ Academic minimum: 3.2 GPA.	For more information , visit the website . If you have additional questions, please contact the IUPUI Center for Research & Learning at: (317) 274-8880.
Maine Medical Center Research Institute (Maine)	The Maine Medical Center Research Institute (MMCRI) offers pre-college and undergraduate students an opportunity to engage in biomedical science research in a broad range of areas, including: ▪ Vascular Biology ▪ Stem Cell Biology ▪ Developmental Biology ▪ Neurobiology	✓ High school (completion of grade 12) OR currently enrolled, full-time undergraduate student.	Students will receive a stipend of \$3500. Students are responsible for their own transportation and housing. For more information , visit the website . If you have additional questions, please send an email to Liz Bergst .

Internships in Scientific Research for High School Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	▪ Hematology ▪ Nephrology ▪ Tumor Biology ▪ Molecular Genetics		
National Institutes of Health (Maryland)	The National Institutes of Health Division of Cancer Epidemiology and Genetics hosts a research experience designed for students interested in exploring careers in cancer epidemiology and genetics. Students may also attend lectures offered under the NIH Summer Seminar Series, participate in DCEG meetings and seminars, attend formal NIH lectures, and participate in the DCEG Poster Day.	✓ High school OR undergraduate OR graduate student (including medical and dental students).	Participants will receive a stipend based on academic level. Students are responsible for housing, meals, and transportation. <i>*Note:</i> Nearby housing is available. For more information , visit the website . If you have additional questions, please send an email to the program .
National Institutes of Health (Maryland)	Participants in the Summer Internship Program (SIP) work one-on-one with some of the leading scientists in the world. Trainees on the main campus in Bethesda, MD will attend a lecture series featuring distinguished NIH investigators, informal lunchtime talks on training for research careers, and participate in a trainee poster session.	✓ Currently enrolled (at least half-time) high school OR undergraduate OR graduate student. ✓ U.S. citizen or permanent resident.	The stipend for trainees is adjusted annually. For more information , visit the website . If you have additional questions, please send an email to Debbie Cohen .
Pathways to Science (Multiple locations)	Pathways to Science supports pathways to science, technology, engineering, and mathematics [STEM] fields. The program places a particular emphasis on connecting groups traditionally underrepresented in STEM fields with programs, funding, mentoring, and resources. Pathways to Science hosts a website that enables users to search for high school and undergraduate summer research opportunities, graduate fellowships, and postdoctoral positions.	✓ Please refer to the program's website or contact the respective administrator to review the eligibility criteria per program.	The stipend is adjusted annually. For more information , visit the website .

Internships in Scientific Research for High School Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
Roswell Park Cancer Institute (New York)	This program is designed to provide high school students an opportunity to learn and become active participants in cancer research. The major objectives of the program are to: ▪ Introduce students to scientific research through a project supervised by graduate faculty members; ▪ Help students develop their own philosophy of science; ▪ Give students an opportunity to discover and experience the graduate student lifestyle; and ▪ Aid in identifying an undergraduate college major if a field of specialization has not yet been determined. All students present their research poster during a scientific conference at the conclusion of the program.	✓ High school OR undergraduate student of at least junior standing. ✓ Intend to pursue a graduate or professional degree in the biomedical or natural sciences. ✓ U.S. citizen or permanent resident.	For more information, visit the website. If you have additional questions, please contact Dr. Adam Kisailus.
Seattle Biomedical Research Institute (Washington)	At the BioQuest Academy, SBRI scientists will guide students in the conduct of cutting edge experiments to help fight the world's deadliest killers: HIV, malaria, and tuberculosis. During the first week of the program, students will perform experiments using lab techniques such as PCR, gel electrophoresis, and microarray analysis. During the second week, students will divide into three teams. Each team will work on a research question such as: ▪ How can we measure what is the best vaccine against HIV? ▪ How can we determine if a malaria vaccine will be protective against all malaria parasites throughout the world? ▪ How does Mycobacterium tuberculosis adapt to life inside a granuloma? Students will apply the scientific process behind answering scientific questions using real samples from SBRI.	✓ Rising high school juniors.	Students will receive \$450 for participating in the entire BioQuest Academy. Meals and lab materials are also provided. In addition, the program provides: ▪ Compensation for SAT II M-Bio exam fees (\$29); ▪ Assistance and mentorship with common senior year activities (including references, application essay support, SAT II M-Bio study sessions, local college tours); ▪ Support for students completing a senior year project related to global health, public health or infectious diseases; ▪ Access to the BioQuest Academy online wiki community; ▪ Invitations to local public health and global health training sessions and lectures; and ▪ Priority status for Seattle Biomedical Research Institute volunteer opportunities and internships.

Internships in Scientific Research for High School Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
			For more information, visit the website. If you have additional questions, please send an email to the program.
Stanford School of Medicine (California)	Stanford Institutes of Medicine Summer Research Program (SIMR) is an eight-week training opportunity for high school students. Participants will perform basic research with Stanford faculty, post-doctoral fellows, and graduate students on a medically-oriented project. The program is designed to increase interest in the biological sciences and medicine, help students understand how scientific research is performed, and increase the diversity of students and researchers in the sciences.	✓ U.S. citizen or permanent resident. ✓ High school student of at least junior or senior standing. ✓ Students from groups traditionally underrepresented in the sciences (i.e., African American, Hispanic American, Native American) or economically disadvantaged households are particularly encouraged to apply.	Students are responsible for housing, meals, and transportation. For more information, visit the website. If you have additional questions, please send an email to the program.
Stanford School of Medicine (California)	The Summer Residential Program (SRP) is a five-week science- and medicine-based enrichment program held on Stanford University's campus. The program is designed to bolster students' science skills while providing exposure to a host of health-related careers.	✓ U.S. citizen or permanent resident. ✓ Resident of specific Northern or Central Californian counties (see application). ✓ High school student of sophomore or junior standing. ✓ Students from a low-income family OR a family with little or no history of attending college. ✓ Completion of high school science and math classes, with at least a B grade. ✓ Interest in science, medicine, and health, and have demonstrated intelligence, maturity, and initiative.	For more information, visit the website.
University of Washington, Genomics Workshops (Washington)	The Genomics Outreach for Minorities [GenOM] workshops provide hands-on instruction in DNA sequencing and debate in genetics for Mathematics Engineering Science Achievement [MESA], High School Human Genome Program [HSHGP], and all other schools.	✓ High school student. ✓ Students from groups traditionally underrepresented in the sciences (i.e., African Americans, Hispanic Americans, Native Americans, Alaskan Natives, Native Hawaiians, Filipinos and Pacific Islanders),	For more information, visit the website. If you have additional questions, please send an email to Allison Kang.

Internships in Scientific Research for High School Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
		economically disadvantaged households, and/or first generation college students are particularly encouraged to apply.	
University of Washington, Genomics Outreach for Minorities (Washington)	The GenOM Alliances for Learning and Vision for Underrepresented Americans [ALVA] program provides an opportunity for incoming freshmen, who are attending the University of Washington Seattle campus, to explore their interests and advance their studies in genomics. During the first two weeks of the program, students participate in intensive lab and bioethics training. For the remainder of the program, students are paired with a mentor and conduct research. Students will also participate in a daily math course which extends the full length of the program, and a chemistry course which takes place during the last five weeks of the program.	✓ High school senior who be attending the University of Washington Seattle campus. ✓ Have an interest in science research, specifically in genetics and genomics.	For more information, visit the website. If you have additional questions, please send an email to Elena Hernandez.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
Albert Einstein College of Medicine (New York)	Students in the Summer Undergraduate Research Program (SURP) spend nine weeks in a laboratory in one of ten basic science departments. At the end of the program, SURP students present their research at a poster session. About 50 students participate in the program each year.	✓ Currently enrolled undergraduate student of junior standing (In rare instances, sophomores may be considered). ✓ Strong background in the sciences (e.g., biology, biochemistry, chemistry, physics, bioengineering chemical engineering, etc.). ✓ U.S. citizen or permanent resident. ✓ Academic minimum: 3.0 GPA.	Students will receive a \$3,000 stipend and free housing on campus. Transportation assistance (up to \$500) is provided for students who live outside of New York City. Interns are responsible for their own meals, health insurance coverage, and incidentals. For more information, visit the website. If you have additional questions, please send an email to the program.
American Society for Microbiology (District of Columbia)	The ASM Undergraduate Research Fellowship (URF) is designed for highly-competitive students who wish to pursue graduate careers (PhD or MD/PhD) in microbiology. Students will conduct a research project for a minimum of 10 weeks, work with faculty mentors who are ASM members and who are employed at the students' home institution, and submit a research abstract for presentation at the yearly ASM General Meeting.	✓ Currently enrolled, full-time matriculating undergraduate student at an accredited U.S. Institution. ✓ U.S. citizen or permanent resident. ✓ Be involved in a research project. ✓ Have an ASM member at their home institution that is willing to serve as a mentor. ✓ Not receiving financial support for research during the fellowship.	Students will receive a stipend of up to \$4,000; a two-year ASM student membership; and up to \$1,000 in travel support to attend the ASM General Meeting. For more information, visit the website. If you have additional questions, please send an email to the program.
Amgen Scholars (California)	The Amgen Scholars Program at the California Institute of Technology introduces students to research under the guidance of a faculty mentor. This 10-week program is modeled on the grant-seeking process. Taking on the role of grant applicants, students collaborate with potential mentors to define and develop a project. Trainees will then write a research proposal for review by a faculty committee. Awards will be made on the basis of reviewer recommendations. Amgen Scholars carry out the work over a 10-week in the summer, and at the conclusion they submit a technical paper and give an oral presentation.	✓ Currently enrolled undergraduate student of sophomore (with at least 4 quarters or 3 semesters of college course work), junior, or non-graduating senior standing attending a 4-year college or university in the U.S., Puerto Rico, or other U.S. territory. ✓ Academic minimum: 3.2 GPA. ✓ Not under any disciplinary sanction. ✓ U.S. citizen or permanent resident. ✓ Interest in pursuing a PhD or MD/PhD.	Students will receive a \$5,500 stipend and a room and board allowance. Non-Cal Tech students will receive reimbursement for their travel to and from Pasadena. For more information, visit the website. If you have additional questions, please send an email to the program.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
Amgen Scholars (New York)	The Columbia University/Barnard College program provides 10 weeks of hands-on research in premier labs, including informal discussion with premier scientists, graduate school preparation, exposure to biotechnology, and attendance at the Amgen Scholars Program Symposium.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student of sophomore (with at least 4 quarters or 3 semesters of college course work), junior, or non-graduating senior standing attending a 4-year college or university in the U.S., Puerto Rico, or other U.S. territory.	Students will receive a stipend of \$4,000, \$500 in on-campus food allowance, and housing on the Morningside campus of Columbia University. For more information, visit the website. If you have additional questions, please send an email to Chanda Springer.
Amgen Scholars (Massachusetts)	The Massachusetts Institute of Technology offers a 9-week research experience in which students will work under the guidance of faculty mentors and interact with fellow undergraduate students while participating in research-related workshops, lectures, and seminars.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student of sophomore (with at least 4 quarters or 3 semesters of college course work), junior, or non-graduating senior standing attending a 4-year college or university in the U.S., Puerto Rico, or other U.S. territory. ✓ Academic minimum: 3.2 GPA. ✓ Interest in pursuing graduate school, including a PhD or MD/PhD.	Students will receive a stipend of \$4,600. Housing in a designated MIT residence hall and a \$800 in on-campus food allowance is also provided. For more information, visit the website. If you have additional questions, please send an email to the program or call: (617) 253-7306.
Amgen Scholars/Stanford University (California)	The Amgen Scholars/ Stanford Summer Research Program (SSRP) is an 8-week residential program that offers undergraduate students who want to prepare for and enter PhD programs in the sciences a unique opportunity to gain advanced research experience. Participants will work with both a faculty member and a lab mentor to craft an independent research project. The program culminates with a research symposium where students present their research to faculty, lab mentors, and university administrators.	✓ Currently enrolled undergraduate student of sophomore or junior standing OR non-graduating senior attending a 4-year accredited college or university. ✓ U.S. citizen or permanent resident. ✓ Students who belong to groups traditionally underrepresented in the sciences are strongly encouraged to apply.	Participants will receive a \$3,500 stipend, in addition to housing, food, and round-trip transportation. Field trips, seminars, and other social activities are also included. For more information, visit the website. If you have additional questions, please send an email to the program.
Amgen Scholars (California)	Amgen Scholars at the University of California, Berkeley will participate in 10 weeks of intensive research in the sciences. Each student will have direct participation in a	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student of sophomore (with at least 4 quarters or 3 semesters of college	Students will receive a \$4,000 stipend, round-trip travel, and on-campus housing with access to campus facilities. For more information, visit the website.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	faculty member's laboratory and work directly with faculty, a postdoctoral scholar, and/or a graduate student. Students will have the opportunity to participate in weekly lab meetings, the lab's journal club, and other lab activities.	course work), junior, or non-graduating senior standing attending a 4-year college or university in the U.S., Puerto Rico, or other U.S. territory. ✓ Academic minimum: 3.2 GPA. ✓ Interest in pursuing graduate school, including a PhD or MD/PhD. ✓ Prior research experience preferred. ✓ Previous Amgen Scholars are ineligible to participate.	If you have additional questions, please send an email to the program .
Amgen Scholars (California)	The University of California, Los Angeles Amgen Scholars Program invites students to participate in a 10-week research experience under the guidance of a faculty mentor. In addition to participating in intensive laboratory research, students will attend weekly seminars and workshops on preparing for graduate school, including GRE test preparation, delivering a research presentation, and other career opportunities in the sciences.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student of sophomore (with at least 4 quarters or 3 semesters of college course work), junior, or non-graduating senior standing attending a 4-year college or university in the U.S., Puerto Rico, or other U.S. territory. ✓ Academic minimum: 3.2 GPA. ✓ Interest in pursuing graduate school, including a PhD or MD/PhD.	Students will receive a \$3,500 stipend, as well as on-campus room and board. Some meals will be provided. A travel allowance (up to \$500) is offered to non-UCLA, out-of-state students. A travel allowance (up to \$250) is offered to non-UCLA students who reside in California. *Note: The UCLA Amgen Scholars Program reserves the right to adjust stipend amounts for students receiving alternative sources of financial support. For more information, visit the website. If you have additional questions, please send an email to the program.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
Amgen Scholars (California)	Amgen Scholars at the University of California, San Diego are invited to participate in a ten-week research experience that includes: 30 hours per week of faculty-mentored hands-on research; five weeks of GRE test preparation [beginning with a diagnostic pre-test, individual tutoring as- needed, and a post-test]; mandatory workshops on writing research papers and abstracts and how to present at scholarly meetings; seminars by UCSD faculty on current research projects; participation in the mid-summer Amgen Scholars Symposium; presentation at the annual UCSD Summer Research Conference; and regular individual meetings with the UCSD Amgen Scholars Program coordinator.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student of sophomore (with at least 4 quarters or 3 semesters of college course work), junior, or non-graduating senior standing attending a 4-year college or university in the U.S., Puerto Rico, or other U.S. territory. ✓ Academic minimum: 3.2 GPA. ✓ Interest in pursuing graduate school, including a PhD or MD/PhD, but not an MD.	Students will receive a \$3,600 stipend, on-campus housing, and a meal allowance. Travel assistance (up to \$500) is offered to non-UCSD students. For more information, visit the website. If you have additional questions, please send an email to Tonya Jarrett or call: (858) 534-9925.
Amgen Scholars (California)	The University of California, San Francisco Amgen Scholars Program provides undergraduate students with an opportunity to conduct research in the biological, biomedical and behavioral sciences. Through this comprehensive nine-and-a-half-week summer experience, Amgen Scholars will prepare for graduate study and a research career in the health sciences. Students will be matched with a faculty mentor and complete an original project under the guidance of their mentor. At the end of the program, Amgen Scholars will present their findings in the form of a written abstract, verbal presentation, and poster presentation.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student of sophomore (with at least 4 quarters or 3 semesters of college course work), junior, or non-graduating senior standing and continuing master's students attending a 4-year college or university in the U.S., Puerto Rico, or other U.S. territory. ✓ Academic minimum: 3.2 GPA. ✓ Interest in pursuing graduate school, including a PhD or MD/PhD. ✓ Students who are traditionally underrepresented in the sciences, socio-economically disadvantaged, first-generation college students, and/or with limited access to research laboratories are particularly encouraged to apply.	Students will receive a \$4,500 stipend, \$1,000 subsistence allowance, housing near the UCSF Parnassus campus, travel support to and from San Francisco, and public transportation passes within the city. For more information, visit the website. If you have additional questions, please send an email to Sergio Saenz or call: (415) 514-0840.

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Amgen Scholars (Washington)	The University of Washington's Amgen Scholars Program provides an opportunity for students to explore and prepare for careers in scientific research. This summer program places students in premiere research groups under the direction of UW faculty in the biomedical sciences and provides related seminars, career exploration, graduate school preparation, and other activities. The program enables students to explore connections between their undergraduate major areas of study and future post-graduate study focused on research in science, biotechnology, and related fields.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student of sophomore (with at least 4 quarters or 3 semesters of college course work), junior, or non-graduating senior standing attending a 4-year college or university in the U.S., Puerto Rico, or other U.S. territory. ✓ Academic minimum: 3.2 GPA. ✓ Interest in pursuing graduate school, including a PhD or MD/PhD (MSTP).	Students will receive a \$3,500 stipend, as well as on-campus housing and travel compensation to and from Seattle, Washington. For more information, visit the website. If you have additional questions, please send an email to the program or call: (206) 685-4240.
Amgen Scholars (Missouri)	The Amgen Scholars Program at Washington University in St. Louis offers a 10-week intensive laboratory experience in biomedical research for undergraduate students. Scholars will work with world-renowned faculty to develop an intriguing research project. Mentoring will also be provided by current graduate students and postdoctoral fellows in the lab. In addition to conducting an independent research project, Scholars will participate in lab meetings and attend scientific seminars and workshops facilitated by faculty and students.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student of sophomore (with at least 4 quarters or 3 semesters of college course work), junior, or non-graduating senior standing attending a 4-year college or university in the U.S., Puerto Rico, or other U.S. territory. ✓ Academic minimum: 3.2 GPA. ✓ Interest in pursuing graduate school, including a PhD or MD/PhD (MSTP).	Students will receive a stipend of \$4,000, as well as housing, travel to and from St. Louis, and travel to the Amgen Scholars Symposium. Students will also receive a free public transportation pass for travel within the St. Louis Metro area. For more information, visit the website. If you have additional questions, please send an email to Rochelle Smith or call: (314) 362-7963.
Association of American Medical Colleges (Multiple locations)	The AAMC serves and leads the academic medical community to improve the health of all. In 2004, a MD/PhD Section was established to promote the development, growth and nurturing of physician-scientist training programs by representing the interest of MD/PhD programs. The AAMC maintains a list of MD/PhD Summer Undergraduate Research Programs.	✓ Please refer to the program's website or contact the respective administrator to review the eligibility criteria per program.	For more information, visit the website.
Baylor College of Medicine (Texas)	The Summer Medical and Research Training (SMART) Program allows students to become functioning members of Baylor laboratories and	✓ Attending a university and returning to the college/university to complete	Students will receive approximately a \$4,500 stipend. The stipend will most likely cover a mixture of salary, housing, and transportation

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	contribute to research efforts in more than 20 basic and clinical science departments. At the end of the program, students submit a short summary of their research. Daily seminars help students develop fundamental knowledge, introduce areas of biomedical research and emphasize the reciprocal relationship between basic research and clinical applications.	their undergraduate degree ✓ Academic minimum: 3.0 GPA	depending on the funding source. For more information , visit the website . If you have additional questions, please send an email to the program .
Boston University (Massachusetts)	The Summer Undergraduate Research Fellowship (SURF) is designed to promote access to graduate education among undergraduate students, especially those from groups traditionally underrepresented in the sciences who wish to pursue careers in biological research. The program offers 10 weeks of full-time research under the guidance of a BU faculty member.	✓ U.S. citizen or permanent resident. ✓ Non-BU student of junior or senior standing. ✓ Member of a group traditionally underrepresented in the sciences. ✓ Two letters of recommendation.	Students will receive a \$4,500 stipend, \$600 supply allowance, up to \$550 in travel expenses, and travel to the BU Undergraduate Research Symposium to present their research findings. For more information , visit the website . If you have additional questions, please send an email to the program or call: (617) 353-2020.
Brigham and Women's Hospital (Massachusetts)	The Summer Training in Academic Research and Scholarship (STARS) program provides underrepresented minority (URM) medical and undergraduate students an opportunity to engage in basic clinical and translational research projects at Brigham and Women's Hospital (BWH) and in conjunction with Harvard Medical School (HMS). This program is designed to enhance the research capabilities of URM undergraduate and medical students and to encourage these scholars to pursue advanced graduate and medical education and training at BWH and HMS.	✓ Member of a group traditionally underrepresented in the sciences (African-American, Alaskan/Hawaiian Native, Hispanic, or Native American). ✓ U.S. citizen or non-citizen national with a permanent resident visa. ✓ Undergraduate student of junior or senior standing OR first-year medical student.	Students will receive a stipend for food and other necessities, travel compensation to and from Boston, and housing for the duration of the 8-week program. For more information , visit the website . If you have additional questions, please send an email to the program or call: (617) 525-7646.
Broad Institute of MIT and Harvard (Massachusetts)	The Summer Research Program in Genomics (SRPG), funded by the National Human Genome Research Institute, is designed for underrepresented minority undergraduate students with an interest in the physical, biological, or computer sciences, engineering, or mathematics and a commitment to research. Students will spend the summer in a laboratory at the Broad Institute, where they will perform	✓ Enrolled in a four-year college for the fall. ✓ Major in physical, biological, or computer sciences, engineering, or mathematics. ✓ Academic minimum: 3.0 GPA. ✓ US citizen or permanent resident,	Students will receive a \$4,000 stipend with paid housing and travel expenses. For more information , visit the website . If you have additional questions, please send an email to the program .

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	original scientific research.	and an underrepresented minority.	
Cancer Research Center of Hawai'i (Hawai'i)	The goal of the Summer Internship Program is to encourage high school and undergraduate students to pursue future careers in the biosciences, particularly cancer research. At the same time, students make a valuable contribution to the UH Cancer Center's research mission. By participating in a research program, interns will learn from experts who are devoted to preventing, treating, and curing cancer. Each year, a number of promising students are selected for this unique opportunity to expand and extend their interest in cancer research.	✓ High school student (at least 16 years of age or turning 16 before starting the program) OR college sophomore or junior ✓ Be a Hawai'i resident. ✓ Academic minimum: 3.5 GPA. ✓ Member of an underrepresented group in the sciences (racial and ethnic, first generation to attend college, economically disadvantaged).	Students receive an hourly wage in accordance with the University of Hawaii Student Research Fellow pay scale. For more information, visit the website. If you have additional questions, please send an email to Karin Koga.
Carnegie Mellon University (Pennsylvania)	The National Science Foundation sponsors the Research Experience for Undergraduates (REU) at Carnegie Mellon University. The ten-week, residential program provides intensive, mentored research experience and includes faculty research talks, student presentations, journal club meetings, presentations on career options and scientific ethics, and a symposium in which all students give a formal presentation of their research.	✓ Currently enrolled at a 4-year accredited college or university. ✓ Undergraduate student of at least junior or senior standing. ✓ Member of group traditionally underrepresented in the sciences. ✓ U.S. citizen or legal permanent resident.	Students will receive a stipend, meal allowance, on-campus housing, and roundtrip travel compensation to CMU. For more information, visit the website. If you have additional questions, please send an email to the program.
Chicago Center for Systems Biology (Illinois)	The Chicago Center for Systems Biology (CCSB) seeks highly qualified undergraduates for Research Experiences for Undergraduate (REU) projects. Students will be matched with a faculty researcher and other lab associates who will help mentor REU activities. CCSB is based at the University of the Chicago but includes collaborating investigators located at Northwestern University and University of Illinois at Chicago. CCSB research focuses on how networks of genes work together to enable cells and organisms to respond to environmental and genetic changes.	✓ U.S. citizen or legal permanent resident. ✓ Enrolled in an accredited undergraduate college degree program. ✓ Concentration in a biological sciences related field. ✓ Applicants with computational backgrounds are especially encouraged to apply.	Students will receive a \$4,000 stipend and full university privileges with access to libraries, athletic facilities, and University-sponsored social and cultural events. For more information, view the PDF. If you have additional questions, please send an email to Dr. Barry Aprison.
Cincinnati Children's Hospital Medical Center	The Summer Undergraduate Research Fellowship (SURF) provides an opportunity for	✓ Junior or senior in high school OR undergraduate student of freshmen,	Students will receive a \$3,200 stipend. For more information, visit the website.

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(Ohio)	students to explore laboratories in the Department of Pediatrics, University of Cincinnati College of Medicine and conduct a research project under the direction of a faculty member at Cincinnati Children's. Students will also participate in various academic programs, including research seminars, journal clubs, and career days, as well as social activities with interns from other programs at the university. Interns will present their research project at a poster competition.	sophomore or junior standing. ✓ Academic minimum: 3.0 GPA. ✓ U.S. citizen or permanent resident. ✓ Must have an interest in pursuing a career in biomedical research or medicine.	If you have additional questions, please send an email to the program.
City of Hope (California)	The Roberts Summer Academy offers high school and undergraduate students an opportunity to spend 10 weeks at the City of Hope as a member of a biomedical research team. This experience is designed to promote the development of critical thinking and scientific communication skills.	✓ Posses a strong interest in learning more about biomedical research. ✓ At least 16 years of age and registered at an accredited high school, college, or university. ✓ Willing to make a full-time commitment to a research project.	Students will receive a \$4,000 stipend. For more information, visit the website. If you have additional questions, please send an email to Dr. Steven Novak.
Cold Spring Harbor Laboratory (New York)	The 10-week Undergraduate Research Program offers 25 local, national, and international students the opportunity to work with senior laboratory staff on an independent research project, specifically in the areas of: ▪ Cancer biology ▪ Neuroscience ▪ Plant biology ▪ Cellular and Molecular biology ▪ Genetics	✓ Currently enrolled undergraduate student of sophomore or junior standing with a strong academic background.	Students will receive a \$5,000 stipend in addition to room and board at the Cold Spring Harbor Laboratory campus. For more information, visit the website. If you have additional questions, please send an email to the program.

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Colorado State University (Colorado)	The Research Experience for Undergraduates (REU) allows students to actively participate in a wide range of research areas, including: ▪ Protein structure and function ▪ Cancer biology ▪ Plant biology ▪ Embryonic development ▪ Diabetes In addition to working with a faculty mentor, students will also participate in seminars, weekly meetings, and social activities.	✓ Completion of at least two semesters each of biology, general chemistry, and organic chemistry. ✓ Academic minimum: 3.2 GPA. ✓ U.S. citizen or permanent resident. ✓ Cannot be graduating in the spring.	Students will receive a \$5,000 stipend, on-campus housing, \$1,700 for food, and up to \$600 for travel expenses. For more information, visit the website. If you have additional questions, please send an email to the program or call: (970) 491-5602.
Committee on Institutional Cooperation (Michigan)	The goals of the Summer Research Opportunities Program (SROP) at Michigan State University are to involve undergraduate students in graduate-level research, provide a mentoring experience with an MSU faculty member, motivate undergraduate students to pursue an academic career, and recruit undergraduate students for graduate study at MSU. Supporting activities include weekly research reports, seminars, graduate enrichment workshops, involvement with the MSU community and statistics/research methods enrichment workshops.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student of freshman, sophomore, or junior standing. ✓ Academic minimum: 3.0 GPA. ✓ Demonstrated interest in pursuing an academic career.	Students will receive a generous stipend, travel to and from MSU, room and board on the MSU campus, and opportunities to present their research findings. For more information, visit the MSU website OR the CIC website. If you have additional questions, please send an email to the program.
Committee on Institutional Cooperation (Indiana)	The goal of the Summer Research Opportunities Program (SROP) at Purdue University is to enhance diversity in academic, government, and industry positions that require graduate degrees. This program involves intensive research experiences with faculty mentors and is designed to encourage talented undergraduate students from social and economic backgrounds that are traditionally underrepresented in research careers to pursue graduate education.	✓ Currently enrolled undergraduate student of freshman, sophomore, or junior standing. ✓ Academic minimum 3.0 GPA. ✓ Interest in pursuing a graduate education. ✓ Available for the duration of the 8-week program.	Students will receive a \$4,000 stipend, round-trip airfare, and university housing. For more information visit the Purdue website OR the CIC website. If you have additional questions, please send an email to the program.

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Committee on Institutional Cooperation (Illinois)	The Summer Research Opportunities Program (SROP) at the University of Illinois-Chicago is a 10-week program that allows undergraduate students to work one-on-one with a faculty mentor, providing an opportunity to experience research at the graduate level. Additional educational enrichment activities include workshops, seminars, and social activities. Students will also have an optional opportunity to present their research findings.	✓ Undergraduate student of sophomore or junior standing. ✓ Member of a group traditionally underrepresented in the sciences. ✓ Academic minimum: 3.75 (A=5.0) or 2.75 (A=4.0) GPA.	Students will receive a \$3,750 stipend, \$350 traveling reimbursement, and housing. For more information, visit the University of Illinois website OR the CIC website. If you have additional questions, please send an email to Allen Bryson.
Committee on Institutional Cooperation (Iowa)	The Summer Research Opportunities Program (SROP)/McNair Scholarship at the University of Iowa offers a challenging 8-week research experience. The combined program is designed to help young investigators achieve their academic and career goals. Students will receive hands-on exposure to the graduate school experience and to faculty life.	✓ Currently enrolled undergraduate student of junior standing. ✓ Academic minimum: 3.0 GPA. ✓ A stated goal of wanting to receive a PhD following completion of bachelor's degree. ✓ U.S. citizen or permanent resident. ✓ A low-income individual who is a first-generation college student OR a member of a group that is traditionally underrepresented in graduate education.	Students will receive a \$3,200 stipend. Housing and travel compensation are also provided. For more information, visit the ISU website OR the CIC website. If you have additional questions, please send an email to the program.
Committee on Institutional Cooperation (Michigan)	The Summer Research Opportunities Program (SROP) at the University of Michigan offers outstanding undergraduate students who are traditionally underrepresented in their field of study an opportunity to conduct intensive research across a variety of disciplines. The goal is to prepare students for a PhD program at UM. Students will work with faculty mentors and engage in a series of academic, professional, and personal development seminars.	✓ U.S. citizen or permanent resident. ✓ Undergraduate student of junior or senior standing with strong interest in pursuing a PhD following completion of bachelor's degree. ✓ Must have medical/health coverage and insurance. ✓ Academic minimum: 3.0 GPA. ✓ A low-income individual who is a first-generation college student OR a member of a group that is underrepresented in graduate education.	Students will receive a \$4,000 stipend and travel reimbursement (up to \$500). On-campus housing is also provided. For more information, visit the UM website OR the CIC website. If you have additional questions, please send an email to the program.

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Conte Center (Illinois)	The Conte Center seeks highly qualified undergraduates for Research Experience for Undergraduate (REU) projects. This program is hosted at the University of Chicago.	✓ U.S. citizen or legal permanent resident. ✓ Enrolled in an accredited undergraduate degree program. ✓ Concentration in a biological sciences related field. ✓ Applicants with computational backgrounds are especially encouraged to apply.	Students will receive a \$4,000 stipend, on-campus housing, and breakfast and dinner. For more information, view the PDF. If you have additional questions, please send an email to Barry Aprison.
Directors of Health Promotion and Education /Centers for Disease Control and Prevention (District of Columbia)	The DHPE/CDC program offers students an opportunity to receive firsthand experience in health promotion and health education. The program is designed to provide students with practical experiences in public health related to the core competencies of health education and to introduce students to the essentials of public health.	✓ Currently enrolled in a health education or health promotion program at a 4-year accredited college or university. ✓ U.S. citizen or permanent resident. ✓ Seriously considering a career in health education, promotion, or related field.	Participants will receive \$275 per week to cover housing, food, and transportation expenses. For more information, visit the website. If you have additional questions, please send an email to Mariela Alarcon-Yohe.
Drexel University College of Medicine (Drexel Med) (Pennsylvania)	Students in the Summer Undergraduate Research Fellowship (SURF) work with Drexel faculty in a broad range of areas, including: ▪ Biochemistry ▪ Molecular and cell biology ▪ Neuroscience ▪ Microbiology ▪ Immunology ▪ Pathobiology ▪ Pharmacology and physiology. SURF students will work full-time on a unique project related to the research goals of their assigned laboratory. At the conclusion of the program, students will give a specific, conference-style presentation describing their research project to fellow interns and mentors.	✓ Interest in pursuing biomedical research as a career and in good academic standing. ✓ Must reside within a reasonable commuting distance of Drexel University College of Medicine during the full term of the program. ✓ Currently enrolled undergraduate student of sophomore or junior standing.	SURF students will receive a \$3,000 stipend. Students are responsible for housing, meals, and transportation. For more information, visit the website. If you have additional questions, please send an email to the program.

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Duke University (North Carolina)	Duke University hosts summer programs on three campuses in a variety of fields. 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 Program is designed for students who are seriously considering joining a PhD Graduate Program following the completion of their undergraduate degree.	✓ Undergraduate student considering PhD in biological sciences or biomedical sciences. ✓ U.S. and international students are eligible.	For more information, visit the website. If you have additional questions, please send an email to Alan Kendrick.
Emergent Behaviors of Integrated Cellular Systems NSF Science and Technology Center (Multiple locations)	The Emergent Behaviors of Integrated Cellular Systems NSF Science and Technology Center (EBICS) is a collaborative effort involving teams from Georgia Tech, MIT, and University of Illinois-Urbana Champaign. EBICS announces its "Engineering Biological Machines" REU, a summer research program for undergraduates beginning in the summer. Other highlights include professional development, mentoring, and social engagement with other REU students.	✓ Currently enrolled in a science or engineering undergraduate program. ✓ Academic minimum: 3.4 GPA ✓ U.S. citizen or permanent resident currently enrolled at a U.S. college or university.	Students will receive a \$4,500 stipend and allowance for travel expenses, on-campus housing and meals. For more information, visit the website. If you have additional questions, please send an email to Oland Bryant.
Emory University (Georgia)	The Summer Undergraduate Research Program (SURE) program allows undergraduate students to conduct supervised research with a faculty mentor. Students will receive training in the research methods applicable to their research plan, analyze their data, and create a written and verbal presentation of their results. At the conclusion of the program, each student will present their findings at a formal research symposium.	✓ Currently enrolled undergraduate student of sophomore or junior standing with a strong academic background. ✓ Recommendation from a science mentor.	SURE Fellows will receive a \$3,500 stipend and on-campus housing. For more information, visit the website. If you have additional questions, please send an email to Dr. Cathy Quinones.
Fred Hutchinson Cancer Research Center (Washington)	The Summer Undergraduate Research Program (SURP) is an intensive, 9-week internship designed to provide research experience and mentorship for undergraduate students who are interested in biological research. Students will be paired with a faculty mentor after selecting one of	✓ U.S. citizen or permanent resident currently enrolled in a U.S. college or university. ✓ Entering the summer BEFORE the final year of undergraduate studies. ✓ Strong background in the sciences.	Students will receive a \$4,500 stipend and travel costs (up to \$450). Interns are responsible for their own housing, meals, and transportation. <i>*Note: The FHCRC negotiates a housing option for out-of-town students at the University of Washington, which is available for approximately \$1,600.</i>

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	the following areas of interest: ▪ Basic Science ▪ Human Biology ▪ Public Health ▪ Clinical Research ▪ Vaccine and Infectious Disease In addition to completing a mentored research project, students will attend weekly research seminars regarding a broad array of scientific topics. Students will also participate in professional development workshops designed to facilitate the preparation of competitive graduate/medical school applications. The program culminates with a competitive poster session.		For more information, visit the website. If you have additional questions, please send an email to the program.
Fred Hutchinson Cancer Research Center/New Mexico State University (Washington)	Underrepresented students <i>attending New Mexico State University</i> are invited to participate in the Cancer Research Internship for Undergraduate Students. In addition to completing a mentored research project, students will also participate in a variety of educational activities throughout the summer, including weekly research seminars, professional development workshops, and a competitive poster presentation. Students will also have an opportunity to attend the Society for Advancement of Chicanos and Native Americans in Science [SACNAS] national conference.	✓ U.S. citizen or permanent resident. ✓ Enrolled at NMSU at the time of application submission. ✓ Undergraduate student of at least sophomore standing. ✓ *Member of a group traditionally underrepresented the sciences. ✓ Strong background in the sciences. <i>*Note:</i> This includes racial and ethnic groups traditionally underrepresented in health sciences, persons with disabilities, and persons raised in economically disadvantaged backgrounds.	Students will receive a \$4,500 stipend and travel costs (up to \$450). Interns are responsible for their own housing, meals, and transportation. <i>*Note:</i> The FHCRC negotiates a housing option for out-of-town students at the University of Washington, which is available for approximately \$1,600. For more information, visit the website. If you have additional questions, please send an email to the program.
Gerstner Sloan-Kettering (New York)	The Summer Undergraduate Research Program is designed for approximately 20 outstanding undergraduate students who are interested in pursuing a career in the diagnosis and treatment of human disease.	✓ Currently enrolled undergraduate students of freshmen, sophomore or junior standing. ✓ Academic minimum: 3.0 GPA. ✓ Proven interest in biomedical research.	Students will receive a \$4,000 stipend and housing accommodations. For more information, visit the website. If you have additional questions, please send an email to the program.

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H. Lee Moffitt Cancer Center & Research Institute (Florida)	Moffitt's Summer Program for the Advancement of Research Knowledge (SPARK) provides research experience for students who have an aptitude for science and a high level of interest in pursuing a medical or research career. Students will perform cancer-related research in: ▪ Molecular Oncology ▪ Immunology ▪ Drug Discovery ▪ Cancer Control Interns will conduct experiments, participate in weekly lab meetings, write a formal scientific report, and deliver an oral presentation regarding their research project at the conclusion of the program.	✓ Undergraduate student seeking a career in science or medicine.	Dependent upon the availability of funds, interns receive a taxable stipend to cover personal expenses. Candidates must make their own living arrangements and provide a local address at the time of admission. For more information, visit the website. If you have additional questions, please send an email to the program.
Harvard Medical School (Massachusetts)	The Summer Honors Undergraduate Research Program (SHURP) at Harvard Medical School is a ten-week summer research program for college students belonging to groups that are traditionally underrepresented in the sciences. Research opportunities are available in a variety of biological and biomedical sciences.	✓ Currently enrolled undergraduate student of freshman, sophomore or junior standing. ✓ Able to commit to participating in the entire ten-week program.	Students will receive a \$4,200 stipend, on-campus housing, and round-trip travel to Boston. For more information, visit the website. If you have additional questions, please send an email to Dr. Sheila Thomas.
Harvard School of Public Health (Massachusetts)	Harvard University's School of Public Health hosts an intensive 4-week program, during which students will receive an introduction to biostatistics, epidemiology, and public health research. This program is designed to expose undergraduates to the use of quantitative methods for biological, environmental, and medical research. The program also provides useful advice about graduate school and the application process through GRE preparation, meetings with different departments of the Harvard School of Public Health and other schools at Harvard University, and mock interviews.	✓ U.S. citizen or permanent resident. ✓ Member of a group that is traditionally underrepresented in graduate education (African American, Hispanic/Latino, American Indian/Alaskan Natives, Pacific Islander or Multiracial/Biracial) OR a first-generation college student (neither parent nor legal guardian has a bachelor's degree) OR a low-income student (as defined by the U.S. Department of Education) OR a disabled student (according to the definition of the Americans with Disabilities Act of 1990 and Section	For more information, visit the website. If you have additional questions, please send an email to the program.

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		504 of the Rehabilitation Act of 1973). ✓ Carry health insurance during the 4-week program. ✓ Academic minimum: 3.0 GPA and completion of calculus coursework. ✓ Interest in pursuing graduate studies in public health, biostatistics, or epidemiology.	
Harvard Stem Cell Institute (Massachusetts)	The goal of the Harvard Stem Cell Institute [HSCI] program is to provide undergraduate students with a focused and challenging summer research experience in a cutting edge stem cell science laboratory and to provide exposure to different professional options within the scientific arena.	✓ An academic background in the biological sciences is essential. ✓ Previous lab experience is preferred. ✓ Strong interest in stem cell biology.	Students will receive a \$4,320 stipend for participation in the 10-week program. On-campus housing may be available, at cost, to participants. For more information, visit the website. If you have additional questions, please send an email to Maureen Herrmann.
Herman B. Wells Center for Pediatric Research (Indiana)	The goals of the Wells Center are to increase knowledge of the causes and mechanisms of serious pediatric diseases, to develop innovative approaches to diagnosis and treatment of childhood diseases, and to provide an outstanding training environment for medical and graduate students, residents, and fellows. Students will be paired with individual faculty in one of 34 laboratories. Students are encouraged to attend weekly seminars and research-related center meetings each week, as well as other academic events that involve the Wells Center faculty (e.g., combined seminar series, seminars of faculty candidates, Weekly Basic Science Research Forum and Pediatric Faculty Research Seminar Series). Interns are required to make a presentation at the conclusion of the program.	✓ *Currently enrolled undergraduate OR graduate student in a science major. ✓ Must be able to commit to participating in the entire 10-week program. <i>*Note:</i> Preference will be given to college undergraduate and graduate students, but high school students (seniors) may also apply.	Students will receive a \$2,500 stipend. Interns are responsible for their own housing and transportation arrangements. For more information, visit the website. If you have additional questions, please send an email to Leigh Crick or call: (317) 278-0746.
Huntsman Cancer Institute (Utah)	The goals of the Huntsman Cancer Institute's Summer Internship Program are to: ▪ Expose students to professionals in the fields of science and medicine and acquaint them with	✓ Currently enrolled at a university or college as a sophomore, junior, or senior OR recent graduate who has not begun graduate or medical	Students will receive a \$3,000 stipend for participation in the ten-week internship. Interns are encouraged to make independent housing arrangements.

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	day-to-day activities in the field of biomedical research; ▪ Familiarize students with research approaches, techniques, data interpretation, and scientific problem solving; ▪ Provide an opportunity for students to meet peers with similar career goals; ▪ Train students to present scientific information to colleagues and peers; and ▪ Provide a friendly atmosphere and encourage open discussions to help students make informed career choices.	studies. ✓ A strong commitment to biomedical research. ✓ Academic minimum: 3.5 GPA.	For more information, visit the website. If you have additional questions, please send an email to JoAnn Ferrini.
Indiana University, Melvin and Bren Simons Cancer Center (Indiana)	The Indiana University Simon Cancer Center Summer Research Program (SRP) is offered to students from underrepresented population groups who are pursuing careers in biomedical and behavioral sciences. Students will gain exposure to a wide range of basic science, translational and clinical research activities and continually interact with and learn from other students, clinical and post-doctoral fellows, and faculty. Interns will also attend weekly workshops that deal with issues related to gaining admission to graduate and professional programs of study.	✓ High school OR undergraduate student. <i>High school</i> students must: ✓ Have completed their junior year. ✓ Display an aptitude for science and math. ✓ Academic minimum: 3.0 GPA. <i>Undergraduate students</i> must: ✓ Complete at least 24 hours of college credit. ✓ Major in biomedical or behavioral science. ✓ Academic minimum: 3.2 GPA.	For more information, visit the website. If you have additional questions, please contact the IUPUI Center for Research & Learning at: (317) 274-8880.
Indiana University/Purdue University Indianapolis (Indiana)	The T35/Summer Research Opportunity Program (SROP) at IUPUI is designed to encourage students traditionally underrepresented in the sciences to pursue graduate school and ultimately academic careers in biomedical research. Under the guidance of a faculty mentor, students will conduct research in the fields of molecular biology, biochemistry, immunology, cell biology, neuro-pharmacology, and several others.	✓ U.S. citizen or permanent resident. ✓ Full-time undergraduate student OR graduate student OR medical school student. ✓ Students who are underrepresented in their field of study and who are sophomores or juniors majoring in any subject. ✓ Must have a competitive grade point average.	Students will receive a \$3,000 stipend for participating in the eight-week program. In addition, campus housing (for out-of-state students) and roundtrip transportation is provided. IUPUI will also cover the cost of the GRE preparation course and all fees associated with the mandatory CIC-SROP conference held at Michigan State University. For more information, visit the website. If you have additional questions, please send

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Program Sponsor	Description	Eligibility	Compensation / For More Information
		✓ Strong interest in pursuing research.	an email to the program or call: (317) 278-3741.
Janelia Farm Research Campus (Maryland)	The Janelia Undergraduate Scholars program gives undergraduates an opportunity to spend 10 weeks during the summer doing research as an intern in the lab of a mentor at Janelia Farm. The scholars are encouraged to attend weekly seminars and other events at Janelia. At the end of the session, each scholar will present his or her work at a symposium.	✓ Matriculated undergraduate student.	Students will receive a \$4,500 stipend, on-site housing, food, social activities and travel. For more information , visit the website . If you have additional questions, please send an email to Dr. Katie Breneman .
The Johns Hopkins University Medical Institutions (Maryland)	The Summer Internship Program (SIP) at The Johns Hopkins Medical Institutions offers a unique opportunity to work for the summer in a research laboratory at one of the world's top-ranking scientific institutions. The purpose of the program is to give students, who are interested in pursuing careers in the biomedical sciences the opportunity to conduct research, while exposed to the excitement of an academic medical environment at a major research center. Research opportunities are available in the following areas: Basic Science Institute, BSI Chemistry-Biology Interface, BSI- Summer Research Internships in Immunology, Bloomberg School of Public Health, and Pulmonary and Critical Care Medicine.	✓ Various requirements per individual institution. Check the website for specific requirements.	Students will receive a \$3,000 stipend, on-campus housing, and a travel allowance. For more information , visit the website . If you have additional questions, please send an email to the program .
Kansas State University (Kansas)	The Summer Undergraduate Opportunity Program (SUROP) at KSU is designed to help undergraduate students, especially those from underrepresented groups, prepare for graduate school and other advanced fields of study. Students will spend nine weeks gaining research experience under the guidance of faculty mentors. Students will also attend weekly seminars that cover key components of the research experience, applying to graduate school, and the graduate school experience.	✓ U.S. citizen or permanent resident. ✓ Academic minimum: 3.0 GPA. ✓ Currently enrolled undergraduate student of at least sophomore standing. ✓ Preference will be given to students belonging to groups traditionally underrepresented in the sciences, first generation college students, and non-KSU students.	Students will receive a \$3,000 stipend in addition to travel support (up to \$300) and housing. For more information , visit the website . If you have additional questions, please send an email to the program .

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Lankenau Institute for Medical Research (Pennsylvania)	Lankenau Institute for Medical Research (LIMR) offers a summer internship for undergraduate students who are interested in pursuing a career in medicine and/or biomedical research. Applicants must provide the following: ▪ A cover letter describing their career goals, why they are interested in participating in the program, and any research program preference(s); ▪ A resume that includes relevant course work and laboratory experience; ▪ Official college transcripts; and ▪ One letter of recommendation from a college professor or former high school teacher.	✓ U.S. citizen or permanent resident. ✓ Undergraduate student of freshman, sophomore, or junior standing. ✓ Students must have an interest in biomedical research, public health, and medicine.	Students will not receive a stipend and are responsible for housing and transportation. For more information, visit the website. If you have additional questions, please send an email to the program.
Louisiana State University (Louisiana)	The Department of Biological Sciences at Louisiana State University, with funding from the Howard Hughes Medical Institute Undergraduate Biological Sciences Education Program, hosts a nine-week research experience for undergraduate students majoring in Life Sciences or Chemistry.	✓ Currently enrolled undergraduate student of freshman, sophomore, or junior standing. ✓ Academic minimum: 3.0 GPA. ✓ Majoring in Life Sciences and/or Chemistry.	Students will receive a \$4,000 stipend and housing. For more information, visit the website. If you have additional questions, please send an email to Dr. John W. Lynn.
Maine Medical Center Research Institute (Maine)	The Maine Medical Center Research Institute (MMCRI) offers pre-college and undergraduate students an opportunity to engage in biomedical science research in a broad range of areas, including: ▪ Vascular Biology ▪ Stem Cell Biology ▪ Developmental Biology ▪ Neurobiology ▪ Hematology ▪ Nephrology ▪ Tumor Biology ▪ Molecular Genetics	✓ High school (completion of grade 12) OR currently enrolled, full-time undergraduate student.	Students will receive a stipend of \$3,500. Students are responsible for their own transportation and housing. For more information, visit the website. If you have additional questions, please send an email to Liz Bergst.

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Marquette University (Wisconsin)	The Summer Research Program is designed for students who plan to attend graduate school and pursue research careers. Students will work under the guidance of a faculty research mentor on a project focused on cellular and molecular questions in a variety of experimental organisms including bacteria, yeast, worms, flies, rats, mice, <i>Chlamydomonas</i> , and maize. Through hands-on experience, students will develop a realistic view of scientific research, its pace, its demands, and the thrill of discovery.	✓ U.S. citizen or permanent resident. ✓ Minimum course requirements: completion of a full year of college biology, general chemistry, and organic chemistry with laboratories. ✓ Currently enrolled undergraduate student of sophomore or junior standing. ✓ Academic minimum: 3.0 GPA. <i>*Note:</i> Students belonging to groups traditionally underrepresented in the sciences or from colleges or universities with limited research opportunities in the biological sciences are particularly encouraged to apply.	Students will receive a \$3,750 stipend for participating in the 10-week program. For more information, visit the website. If you have additional questions, please send an email to Deborah Weaver.
Massachusetts Institute of Technology (Massachusetts)	The MIT summer research program in the fields of Biological science (MSRP Bio) is a 10-week research training program for highly motivated undergraduate sophomores and juniors who are ready for an intensive research experience at a top notch research institution which offers cutting edge technology and multidisciplinary approach to modern biological research. Students will conduct research under the direct supervision of a research mentor in a field of their interest (biochemistry, biophysics, genetics, microbiology, molecular biology, cell biology, cancer, Immunology, developmental biology, cognitive neuroscience, neurobiology, systems biology, computational biology, genomics) . Students will learn a range of skills, both technical and intellectual, that will help them develop into successful independent scientists.	✓ Enrolled full-time undergraduate at a university or four-year college in the U.S. ✓ Be a sophomore or junior who has successfully completed introductory courses in the biological sciences. ✓ Academic minimum: 3.5 GPA. ✓ Have a demonstrated interest in basic research and in a career in the sciences.	Students will receive campus housing, a weekly stipend, and a travel allowance to and from MIT. For more information, visit the website. If you have additional questions, please send an email to the program.
Mayo Graduate School College of Medicine (Minnesota)	During the course of the Summer Undergraduate Research Fellowship (SURF), students will work beside both young and	✓ Currently enrolled undergraduate student of sophomore or junior standing attending a U.S. college.	Students will receive a \$5,000 (minus taxes) stipend. Students are responsible for housing, meals, and transportation. <i>*Note:</i> Most

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Program Sponsor	Description	Eligibility	Compensation / For More Information
	established scientists on a broad range of biomedical research questions. About 80 students participate in the program each year.	✓ Academic minimum: 3.0 GPA. ✓ Seriously considering a medical research career as a PhD or MD/PhD.	students live on-campus, which is available for approximately \$175 per week. For more information, visit the website. If you have additional questions, please send an email to Glenda Mueller.
Medical College of Wisconsin (Wisconsin)	The Summer Program for Undergraduate Research (SPUR) provides an opportunity for students to learn the potential of biomedical sciences as an interesting and fulfilling career. The SPUR program provides a mentored laboratory experience in science in which the student works on significant basic science research issues. This program is intended for students interested in a PhD in biomedical sciences. Students interested in a dual degree (MD and PhD) are also encouraged to apply.	✓ Academic minimum: 3.2 GPA. ✓ Currently enrolled undergraduate student of sophomore or junior standing. ✓ U.S. citizen or permanent resident (F-1 visa status is acceptable).	Students will receive a \$3,500 stipend and housing accommodations. For more information, visit the website. If you have additional questions, please send an email to the program.
Medical University of South Carolina (South Caroline)	The Summer Research Program allows students to become directly involved in the process of scientific discovery. The program includes daily interaction with faculty, weekly seminars regarding research, and social activities. At the conclusion of the program, students will prepare a brief written paper and give an oral presentation about their research project.	✓ Highly motivated undergraduate student considering a career in biomedical research. ✓ Completion of at least two full years of college course work OR has been involved in significant research opportunities by the time the internship begins. ✓ Has not received an undergraduate degree prior to the program start date. ✓ Must be able to complete the entire 10 weeks of the program. ✓ Academic minimum 3.0 GPA. A cumulative GPA of 3.2 or higher is preferred. <i>*Note: Students belonging to groups traditionally underrepresented in the sciences are particularly encouraged to apply.</i>	Students will receive a living allowance of \$400 per week for a total maximum of \$4,000. The program does not pay for travel/housing/meals, but a \$200 subsidy is available and intended to defray the cost of travel to Charleston from a distance of at least 60 miles. For more information, visit the website. If you have additional questions, please send an email to Debra Shoemaker.

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Program Sponsor	Description	Eligibility	Compensation / For More Information
Methodist Research Institute at Clarian Health (Indiana)	The Summer Student Research Program pairs students in the sciences with biomedical researchers and is designed to provide students with a hands-on research experience. Research projects are available in both clinical and laboratory settings. Other program requirements include: attending Clarian and program orientations; attending a lecture series; working 40 hours per week (excluding Memorial Day and the Fourth of July); preparing a written review of the summer research project; and giving a short (generally 10-15 minute) verbal presentation of the research project.	✓ Science major who has completed at least *60 semester hours by the start of the program; medical students should have completed their first year. ✓ 18 years of age at the time of hire. ✓ Academic minimum: 3.0 GPA. ✓ A commitment to work 40 hours per week for 12 consecutive weeks (from May to August). *In most instances, 60 semester hours is equivalent to junior standing.	Students will receive \$10 per hour. For more information, visit the website. If you have additional questions or would like to access the application forms, please send an email to Heather Richardson. *Note: Be sure to indicate SSRP in subject line.
Minorities Striving and Pursuing Higher Degrees of Success (MS PhD's) (Multiple locations)	The MS PhD's Professional Development Program facilitates mentoring and networking activities for minority undergraduate and graduate earth system science and engineering (ESSE) majors and provides a supportive environment in which participants develop strategies and professional skills necessary to excel in Earth system science and engineering fields.	✓ U.S. citizen or permanent resident. ✓ Two letters of recommendation.	Students will receive a \$1,000 fellowship, the opportunity to network at two international professional society meetings, and ESSE exposure and field trips. For more information, visit the website. If you have additional questions, please send an email to the program.
Mount Sinai School of Medicine (New York)	The Summer Undergraduate Research Program (SURP) provides an opportunity for students to work on a cutting-edge research project in one of over 200 laboratories. Students will be presented with great networking opportunities among other students, faculty members, and school administration.	✓ Academic minimum: 3.5 GPA. ✓ Currently enrolled undergraduate students of freshman, sophomore, or junior standing. ✓ Motivated towards research and inclined towards graduate education in biomedical sciences in a PhD Program or MD/PhD (MSTP).	Students will receive a \$3,500 stipend and access to the benefits of the Mount Sinai Recreation Office. Students receive free housing but are responsible for meals and transportation. *Note: Housing is available in one of Mount Sinai's residential buildings. For more information, visit the website. If you have additional questions, please send an email to the program.
National Institutes of Health (District of Columbia)	The Cancer Research Interns (CRI) Program was inaugurated in 2004 to further embrace diversity among the pool of NIH trainee applicants. Over the past two years, 101 students have conducted research in 68 labs	✓ U.S. citizen or permanent resident. ✓ 18 years of age or older. ✓ Cancer-related research interest from an underrepresented ethnic	The CRI program provides a stipend that is based on participants' academic level. Housing is provided to students who are financially eligible. Travel to and from Bethesda is provided for out-of-state participants.

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	across the Center for Cancer Research.	group. ✓ Academic minimum: 3.0 GPA.	Students are responsible for their own meals. For more information , visit the website . Interested students should email a statement of interest to Dr. Jonathan Wiest or Vi Black .
National Institutes of Health (Maryland)	The Division of Cancer Epidemiology and Genetics hosts a research experience designed for students interested in exploring careers in cancer epidemiology and genetics. Students may also attend lectures offered under the NIH Summer Seminar Series, participate in DCEG meetings and seminars, attend formal NIH lectures, and participate in the DCEG Poster Day.	✓ High school OR undergraduate OR graduate student (including medical and dental students).	Participants will receive a stipend based on academic level. Students are responsible for housing, meals, and transportation. *Note: Nearby housing is available. For more information , visit the website . If you have additional questions, please send an email to the program .
National Institutes of Health (Maryland)	Participants in the Summer Internship Program (SIP) work one-on-one with some of the leading scientists in the world. Trainees on the main campus in Bethesda, MD will attend a lecture series featuring distinguished NIH investigators, informal lunchtime talks on training for research careers, and participate in a trainee poster session.	✓ Currently enrolled (at least half-time) high school OR undergraduate OR graduate student. ✓ U.S. citizen or permanent resident.	The stipend for trainees is adjusted annually. For more information , visit the website . If you have additional questions, please send an email to Debbie Cohen .
National Institutes of Health (Maryland)	The STEP-UP Program is designed to expose underrepresented and/or disadvantaged students to research in the areas of diabetes, endocrinology, metabolism, nutrition, obesity, and digestive, liver, urologic, kidney, and hematologic diseases. The program begins with an online ethics course, followed by travel to the assigned research location [Children's Hospital, Los Angeles, Pennsylvania State University, University of Maryland, Baltimore, and Virginia Commonwealth University] to begin the 10-week, full-time summer research experience. The program culminates with a trip to the Annual Undergraduate STEP-UP Scientific Session and Research Presentations in August. Students will present their summer research to peers, mentors, and scientific experts.	✓ Undergraduate student who has completed at least one year at an accredited institution. ✓ U.S. citizen, non-citizen national or legal permanent resident. ✓ Must have insurance by the time of acceptance into the program.	Students will receive a stipend up to \$3,500. In addition, accommodations and travel expenses to the Annual Undergraduate Scientific Session and Research Presentations in Atlanta, Georgia are provided. Students are responsible for travel to and from the research location, housing, ground transportation, parking, and meals. For students opting to perform their research with a mentor at one of the coordinating institutions, a limited amount of on-campus housing may be available; students should inquire within that institution. For more information , visit the website . If you have additional questions, please send an email to the program .

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National Science Foundation: Research Experience for Undergraduates (REU) (Multiple locations)	Keyword Search: Biological Sciences. 162 training program opportunities are available to undergraduate students interested in biological sciences. Programs vary in duration from 4 - 10 weeks.	✓ U.S. citizen, non-citizen national or legal permanent resident. ✓ Check eligibility criteria per REU site.	All REU sites provide a stipend, housing, and meals. For more information , visit the website .
NASA STEM Programs (Multiple locations)	NASA's One Stop Shopping Initiative (OSSI) is an innovative solution to support the STEM (Science, Technology, Engineering, and Mathematics) workforce. NASA's internship programs are being phased into OSSI:SOLAR, including national programs, and programs that are unique to a specific NASA Center.	✓ U.S. citizen. ✓ Additional eligibility requirements may apply depending on the specific program.	*Note: students may identify opportunities of interest; however they cannot request to be considered for a specific internship program(s). For more information , visit the website .
New York University (New York)	The Sackler Institute of Graduate Biomedical Sciences and the Office of Minority Affairs offers a summer internship in the medical sciences at NYU Medical Center. This 9-week program provides students an opportunity to conduct research and gain exposure to the academic medical environment. Students will work with faculty in the fields of biochemistry, biomedical imaging, cellular and molecular biology, and many more.	✓ Currently enrolled undergraduate student of sophomore or junior standing. ✓ Academic minimum: 3.4 GPA. ✓ Previous research experience. ✓ Interest in biomedical research career.	Students will receive a \$3,500 stipend, housing, and roundtrip travel accommodations. For more information , visit the website . If you have additional questions, please send an email to Amanda Tufekcier .
Northwestern University (Illinois)	The Summer Research Opportunity Program (SROP) provides an opportunity for direct involvement with research faculty and exposure to graduate student life. The mission of the SROP is to increase diversity among students pursuing graduate education and provide valuable research experience. The 8-week program includes research with faculty, enrichment activities, and a research conference.	✓ Currently enrolled undergraduate student of sophomore or junior standing. ✓ Academic minimum: 3.3 GPA. ✓ U.S. citizen or permanent resident. ✓ Interest in pursuing a doctoral degree at Northwestern University.	Students will receive a \$4,000 stipend, round trip travel, on-campus housing, and \$500 for meals. For more information , visit the website . If you have additional questions, please send an email to Mario Craigen .
Pathways to Science (Multiple locations)	Pathways to Science supports pathways to science, technology, engineering, and mathematics [STEM] fields. The program places a particular emphasis on connecting groups traditionally underrepresented in STEM fields	✓ Please refer to the program's website or contact the respective administrator to review the eligibility criteria per program.	The stipend is adjusted annually. For more information , visit the website .

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	with programs, funding, mentoring, and resources. Pathways to Science hosts a website that enables users to search for high school and undergraduate summer research opportunities, graduate fellowships, and postdoctoral positions.		
Princeton University (New Jersey)	Each summer, Princeton provides intensive laboratory research experience in Molecular and Quantitative & Computational Biology to a select group of undergraduates chosen from a nationwide pool. Each student joins a world-class research group – headed by a Faculty member – and carries out an original research project. Participants are immersed in a culture of close collaboration with other undergraduates, graduate students, postdoctoral fellows, and faculty, and thereby experience first-hand what it is like to be a scientist.	✓ Currently enrolled undergraduate student. ✓ U.S. citizen, permanent resident, or a foreign undergraduate attending a U.S. educational institution.	Visiting students will receive a \$4,000 stipend as well as housing and travel expenses are provided. For more information, visit the website. If you have additional questions, please send an email to Dr. Alison Gammie.
Rockefeller University (New York)	Students in the Summer Undergraduate Research Fellowship (SURF) work with leading scientists in a broad range of areas, including: ▪ Biochemistry ▪ Structural biology and chemistry ▪ Molecular, cell, and developmental biology ▪ Immunology ▪ Virology and microbiology SURF students are required to present and discuss scientific publications at weekly journal club meetings and will share their research results with fellow interns and mentors at a final poster session.	✓ Currently enrolled undergraduate student of sophomore or junior standing. ✓ Strong background in the sciences. <i>*Note:</i> SURF students are strongly encouraged to return during their college recesses to complete and/or extend their summer research projects.	SURF participants will receive a \$4,000 stipend and on-campus housing. For more information, visit the website. If you have additional questions, please send an email to the program.

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Roswell Park Cancer Institute (New York)	This program is designed for undergraduate students of at least junior standing who will benefit from an intensive pre-graduate (PhD) research experience. The program welcomes applicants from non-research intensive universities who have limited research experience, underrepresented minority students, and students from financially disadvantaged backgrounds.	National Cancer Institute ✓ Undergraduate student of junior standing. ✓ Intend to pursue a graduate or professional degree in the biomedical or natural sciences. ✓ U.S. citizen or permanent resident. Continuing Umbrella of Research Experiences (CURE) ✓ Undergraduate student of at least junior standing. ✓ Intend to pursue a graduate or professional degree in the biomedical or natural sciences. ✓ U.S. citizen or permanent resident. ✓ Member of a group traditionally underrepresented in the sciences (e.g. African American, Hispanic American, Native American Indian).	National Cancer Institute Students will receive a stipend. On-campus housing is available at cost to the student. CURE Students will receive a \$3,500 stipend. On-campus housing is available at cost to the student. For more information , visit the website . If you have additional questions, please send an email to Dr. Adam Kisailus .
Rutgers University (New Jersey)	Rutgers University invites HHMI grantees with interest in future PhD or MD/PhD to participate in our highly successful summer research program, RiSE (Research in Science and Engineering). Some features that distinguish RiSE from many other summer programs include: Cutting-edge research and interdisciplinary opportunities that span the biological, physical, behavioral and computational sciences, personalized mentor-matching and extensive professional enrichment.	✓ U.S. citizen or permanent resident. ✓ Completion of at least the sophomore year. ✓ Academic minimum: 3.0 GPA.	Students will receive a \$4,000 stipend, free on-campus housing (for students unable to commute), and travel reimbursement up to \$500. For more information , visit the website . If you have additional questions, please send an email to the program .
Seattle Biomedical Research Institute (Washington)	The Global Health Internship Program provides an opportunity for students to work alongside some of the leading scientists in the world in an environment devoted exclusively to infectious disease research. This 10-week program	✓ Currently enrolled undergraduate student of junior or senior standing.	Students will receive an hourly wage of \$11.25. At a full-time (40 hours per week) schedule, this equals approximately \$4,500 in earnings. Housing is not provided. For more information , visit the website .

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	culminates with a formal report and presentation.		If you have additional questions, please send an email to the program .
St. Jude Children's Research Foundation (Tennessee)	The Pediatric Oncology Education program at St. Jude Children's Research Hospital 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 in either laboratory 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.	✓ U.S. citizen or permanent resident. ✓ Academic minimum 3.4 GPA in math and science, cumulative minimum: 3.4 GPA. ✓ Currently enrolled undergraduate student of at least sophomore standing OR graduate student preparing for a career in medicine or biomedical sciences. ✓ Students with an interest in cancer research are particularly encouraged to apply.	Students will receive a \$4,000 stipend, in addition to no-cost housing near campus. For more information, visit the website. If you have additional questions, please send an email to Dr. Suzanne Gronemeyer.
SUNY Upstate Medical University (New York)	The Summer Undergraduate Research Fellowship (SURF) program is designed to expose undergraduate students to biomedical research. During the 10-week program, students will receive faculty guidance while formulating an independent research proposal, conduct research under the supervision of a faculty mentor, and write a research paper.	✓ Currently enrolled undergraduate student between the summer of their junior and senior year. ✓ Majoring in chemistry, biology, or a related field. ✓ Strong interest in pursuing a PhD in biomedical investigative research.	Students will receive a \$3,000 stipend, as well as housing. For more information, visit the website. If you have additional questions, please send an email to the program.
University of Alabama at Birmingham (Alabama)	The Summer in Biomedical Sciences (SIBS) Undergraduate Research Program at the University of Alabama at Birmingham (UAB) provides an opportunity for ten (10) sophomore or junior level college undergraduates to be instructed in techniques of modern biology while becoming integrated members of a vibrant clinical and scientific community. During the 8-week summer program students will work with UAB faculty members on mentored research projects. SIBS is intended for students with a desire to pursue careers in the biomedical sciences.	✓ U.S. citizen or legal permanent resident. ✓ Sophomore or junior level college undergraduate. ✓ Academic minimum: 3.0 GPA.	Students will receive a \$2,000 stipend as well as on campus housing. Students will be responsible for travel expenses. For more information, visit the website. If you have additional questions, please send an email to Dr. Robin Lorenz.

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University of Arizona (Arizona)	The Summer Research Institute (SRI) offers an outstanding opportunity to learn how to conduct research and prepare for graduate studies. The purpose of SRI is: ▪ To provide students with the opportunity to work with faculty on a research project; ▪ To give an understanding of the approaches, issues, and research methodologies in a chosen field; ▪ To encourage students to consider advanced study in the discipline of their choice; ▪ To prepare students to be competitive in the graduate application process and beyond; and ▪ To enhance leadership skills through personal development workshops and interaction with peers.	✓ Currently enrolled undergraduate of junior or senior standing. ✓ U.S. citizen, legal permanent resident, or refugee status. ✓ Academic minimum: 3.0 GPA. ✓ Students from first-generation, low-income, or underrepresented background are encouraged to apply.	Students will receive a \$3,000 stipend as well as on campus housing. For more information, visit the website. If you have additional questions, please send an email to Donna Treloar.
University of California, Davis (California)	The Hugh Edmondson Summer Research Internship Program offers a nine-week research experience for motivated college students who have demonstrated a strong interest in the health sciences. Students will conduct research under the guidance and mentorship of pathology faculty in various laboratories. In addition to research activities, the program offers weekly lectures and problem-based learning exercises that promote investigative and critical thinking.	✓ Currently enrolled undergraduate student of freshmen, sophomore, or junior standing. ✓ Demonstrated interest in the health sciences.	Participants will receive a \$2,000 stipend, as well as assistance finding housing if needed. For more information, visit the website. If you have additional questions, please send an email to Kendra Harris.
University of California, Irvine (California)	The Summer Undergraduate Fellowship (SURF) program at UC Irvine offers students with outstanding academic potential an opportunity to work closely with faculty mentors on research projects. The program provides students who plan to pursue a PhD and enter academic careers with the tools needed to facilitate the application process. Students are matched with professors who relate to their desired research.	✓ Currently enrolled undergraduate student of junior or senior standing. ✓ U.S. citizen or permanent resident. ✓ Must be able to commit to the 8-week program.	SURF participants will receive a \$3,000 stipend, as well as campus housing and roundtrip travel compensation up to \$400. For more information, visit the website. If you have additional questions, please send an email to the program.

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University of Chicago (Illinois)	The Pritzker School of Medicine Experience in Research (PSOMER) is an 8-week summer program designed to provide faculty-mentored research experience and education. Projects range from basic science to clinical research.	✓ Currently enrolled undergraduate student of rising junior or senior standing. ✓ U.S. citizen or permanent resident. ✓ Must be able to commit to the 8-week program.	Students will receive a \$3,200 stipend, as well as on-campus housing and a travel allowance (up to \$500). For more information, visit the website. If you have additional questions, please send an email to Bernadette Steele.
University of Cincinnati (Ohio)	The Summer Premedical Enrichment Program (SPEP) is a six-week residential experience for college juniors, seniors, and post-baccalaureate pre-medical students. Students will be exposed to the medical school experience through extensive interaction with current medical students and faculty and guidance through the medical school application process. Students will prepare for the academic curriculum through a non-credit course in cardio physiology. This program emphasizes strengthening critical thinking/problem solving skills, increasing self-awareness, and making each participant a competitive medical school applicant.	✓ Currently enrolled undergraduate student of junior or senior standing OR post- baccalaureate premedical student. ✓ U.S. citizen or permanent resident.	For more information, visit the website. If you have additional questions, please send an email to the program.
University of Cincinnati (Ohio)	The Women in Science and Engineering (WISE) REWU engages female students in research projects with faculty from a wide variety of disciplines. During this 12-week program, each student will work directly with a University of Cincinnati faculty mentor. At the conclusion of the program, students will participate in a professional research conference.	✓ Female. ✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student.	Students will receive a \$4,000 stipend. For more information, visit the website. If you have additional questions, please send an email to the program.
University of Cincinnati College of Medicine (Ohio)	The Cancer and Cell Biology Summer Undergraduate Research Program (SURP) enables students to conduct research in an area of their interest. Research opportunities range from molecular biology to animal physiology and behavior. This 10-week program also includes intellectual, cultural, and social activities to enrich the internship experience.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student.	Students will receive a \$4,000 stipend. For more information, visit the website. If you have additional questions, please send an email to the program.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
University of Cincinnati College of Medicine (Ohio)	The Summer Undergraduate Research Fellowship (SURF) program provides an opportunity for students to gain hands-on research experience in a biomedical facility under the supervision of a principal investigator. Research opportunities range from molecular biology to animal physiology and behavior. The 10-week program has a flexible start and end date, but typically takes place between May and August.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student (part-time or full-time) of sophomore or junior standing majoring in the sciences (e.g.: Biology, Chemistry, Biochemistry, Neuroscience, Biomedical Engineering, Physics, etc.).	Students will receive a \$4,000 stipend. Interns are responsible for housing, meals, and transportation. <i>*Note:</i> One-bedroom apartments near the campus in Clifton are available for approximately \$300 - 400 per month. For more information, visit the website. If you have additional questions, please send an email to the program.
University of Colorado at Boulder (Colorado)	The Summer Multicultural Access to Research Training (SMART) program is a 10-week research internship that prepares undergraduate students for graduate programs in science, technology, engineering, and math. Students will participate in research under the guidance of faculty mentors and attend weekly workshops on scientific writing and presenting, GRE preparation, and the graduate school application process.	✓ Be 18 years or older. ✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate students of at least sophomore standing. ✓ Member of a group traditionally underrepresented in the sciences according to federal guidelines. ✓ Have completed at least 60 semester credit hours by June of the application year. ✓ Not earn a BA/BS before December of the year you participate.	Students will receive a competitive stipend, as well as roundtrip travel, room and board, and tuition for upper-division undergraduate credits at UC Boulder. For more information, visit the website. If you have additional questions, please send an email to the program.
University of Colorado, Denver (Colorado)	The University of Colorado, Denver offers a 10-week program that provides an opportunity for undergraduate students to conduct laboratory research, present results, attend seminars, and interact with fellow students, lab members, and faculty. Training in cellular and molecular pharmacology, signal transduction, neuropharmacology, biochemistry, and molecular structure, as well as opportunities in the blossoming field of bioinformatics, is available.	✓ Currently enrolled undergraduate student of at least sophomore standing. ✓ Academic minimum in the sciences: 3.0 GPA. Overall academic minimum: 2.9 GPA. ✓ U.S. citizen or permanent resident. ✓ Demonstrated interest in pursuing a scientific career.	Students will receive a \$3,500 stipend and \$300 for travel expenses. For more information, visit the website. If you have additional questions, please send an email with the heading "Info request from pharmacology web site" to Elizabeth Bowne.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
University of Connecticut (Connecticut)	The University of Connecticut Health Center invites applications for a limited number of summer research internships from highly qualified and motivated undergraduate students with an interest in obtaining a PhD in the biological and biomedical sciences. Students will have the opportunity to participate in research activities of a laboratory.	✓ Completed some college coursework in biology and chemistry. ✓ U.S. citizen or permanent resident.	Participants will receive a \$3,200 stipend. For more information, visit the website. If you have additional questions, please send an email to the program.
University of Connecticut (Connecticut)	The University of Connecticut School of Medicine Summer Research Fellowship (SURF) program is a nine-week internship designed to provide research experience under the guidance of a faculty mentor for those interested in pursuing an MD or MD/PhD. Students will also gain some exposure to clinical medicine.	✓ Currently enrolled undergraduate student of sophomore, junior or senior standing OR recent graduate with a 'B' average or better who is interested in a career in medicine or biomedical research. ✓ Basic science knowledge and experience. ✓ Member of a group traditionally underrepresented in the sciences (e.g. African American, Hispanic American, Native American Indian).	Participants will receive a stipend as well as housing accommodations. For more information, visit the website. If you have additional questions, please send an email to the program.
University of Illinois at Urbana-Champaign (Illinois)	The University of Illinois at Urbana-Champaign offers a cross-discipline summer research program that provides undergraduate students from populations underrepresented in graduate study at Illinois with an opportunity to explore careers in research. The program provides each student with an experience that will help strengthen his/her knowledge, skills, and understanding of graduate school. The Summer Research Opportunities Program enables interns to establish relationships with faculty in their respective field of study, conduct graduate-level research under the supervision of a University of Illinois faculty member, become acquainted with the culture of graduate school, and to learn what is needed and expected of them as graduate students.	✓ U.S. citizen or permanent resident. ✓ Undergraduate student who has earned 45 credit hours or more. ✓ Senior who will not graduate before December 2012. ✓ Academic minimum: 3.0 GPA.	Students will receive a \$3,500 stipend as well as room and board and travel expenses to and from the campus (for non-UI students). Students will also receive health coverage through the student health insurance program. For more information, visit the website. If you have additional questions, please send an email to the program or call: (217) 333-4860.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
University of Iowa (Iowa)	The University of Iowa Interdisciplinary Summer Undergraduate Research program offers faculty-mentored laboratory research experience to talented undergraduate bioscience majors. Students will also be exposed to the challenges and rewards of a research career.	✓ Currently enrolled undergraduate student of sophomore or junior standing. ✓ U.S. citizen or permanent resident. ✓ Majoring in biological sciences at an accredited four-year university or college.	Participants will receive a \$3,750 stipend, housing, and a \$500 allowance for round-trip travel. For more information, visit the website. If you have additional questions, please send an email to Paulete Villhauer.
University of Iowa (Iowa)	The University of Iowa Summer Undergraduate Medical Scientist Training Program Research (SUMR) program offers an intensive experience for undergraduate students interested in combined MD/PhD training for a career as a physician-scientist. The 8-week program provides students with experience in research laboratories and exposure to clinical medicine and medically-relevant research.	✓ U.S. citizen or permanent resident. ✓ Anticipate graduating in biological or physical sciences in the academic year following participation in the SUMR program. ✓ Prior research experience.	Participants will receive a \$4,150 stipend, on-campus housing, and a round-trip travel allowance. For more information, visit the website. If you have additional questions, please send an email to the program.
University of Maryland (Maryland)	The Greenebaum Cancer Center offers an 8-week mentored cancer research internship for undergraduate students interested in a research or medical career. Research topics encompass many areas that are on the forefront of scientific interest, including: ▪ Cancer drug resistance ▪ Signal transduction ▪ Programmed cell death ▪ Molecular pharmacology ▪ Angiogenesis and carcinogenesis Students will write and present a synopsis of their work at the conclusion of the program.	✓ Currently enrolled undergraduate OR medical student. ✓ Strong academic background in the arts and sciences.	Students will receive a \$1,500 stipend. The stipend will increase by \$500 for each subsequent summer (up to a maximum \$2,500). Interns are responsible for housing, meals, and transportation. For more information, visit the website. If you have additional questions, please send an email to Dr. Bret Hassel.
University of Maryland, Baltimore County (Maryland)	The Summer Biomedical Training Program at the University of Maryland, Baltimore County (UMBC) provides biomedical research experiences for undergraduates, particularly those underrepresented in the biomedical or behavioral sciences areas who are interested in receiving a Ph.D. or MD/Ph.D. This 10-week	✓ U.S. citizen or permanent resident. ✓ Interest in pursuing a PhD or MD/PhD in the biomedical or behavioral sciences. ✓ Completion of freshmen or junior year in graduate studies	Students will receive round trip transportation, on-campus housing, and a stipend. For more information, visit the website. If you have additional questions, please send an email to Justine Johnson or call: (41) 455-3124.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	program offers a cross-disciplinary research experience in the seven participating biomedical, behavioral and engineering sciences departments.	✓ Academic minimum: 3.5 GPA.	
University of Maryland Reed-Yorke Health Professions Advising Office (Maryland)	The Reed-Yorke Health Professions Advising Office showcases a variety of summer programs for undergraduate students who are interested in research or medical careers.	✓ Please refer to the program's website or contact the respective administrator to review the eligibility criteria per program.	For more information , visit the website .
University of Medicine and Dentistry School of New Jersey/ Rutgers University (New Jersey)	The University of Medicine and Dentistry School of New Jersey and Rutgers University have combined efforts to create a Summer Undergraduate Research Program in Molecular and Developmental Neurobiology. The goal is to increase student knowledge and appreciation of basic Neuroscience research by providing a closely-mentored, hands-on graduate level research experience. In addition, increase interest in pursuing careers in research through career development and educational activities.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student of at least sophomore standing. ✓ Good academic standing. ✓ Interest in pursuing a science or education career.	Students will receive a generous stipend and on-campus housing. For more information, visit the website. If you have additional questions, please send an email to Joan Mordes.
University of Minnesota (Minnesota)	The University of Minnesota Life Sciences Summer Undergraduate Research Program (LSSURP) oversees and coordinates several life science programs. The programs begin with a joint orientation weekend, followed by participation in a 10-week research project under the direction of a University of Minnesota faculty mentor and numerous special activities focused on professional development as well as social interaction. The summer research experience concludes with a poster symposium and banquet.	✓ U.S. citizen or permanent resident. ✓ Currently attending a 2- or 4-year institution on a full-time basis. ✓ Interested in the life sciences. ✓ Academic minimum: 3.0 GPA.	Student will receive a \$4,000 stipend as well as travel (airfare only) compensation, on campus housing, and meal provisions. For more information, visit the website. If you have additional questions, please send an email to Evelyn Juliussen.
University of Nebraska (Nebraska)	The Eppley Institute for Research in Cancer and Allied Diseases hosts the Summer Undergraduate Fellowship (SURF) program to expose students to various research careers. Over the course of 10 weeks, students will gain hands-on experience in cancer research labs,	✓ Receipt of program application, a one-paragraph statement of research interests, three letters of recommendation, and college transcripts.	Students will receive a \$4,000 stipend. Interns are responsible for housing, meals, and transportation. <i>*Note:</i> Nearby housing is available. For more information, visit the website. If you have additional questions, please send

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	interact with research faculty, attend weekly seminars, and present their research at a poster session.		an email to the program .

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
University of Notre Dame (Indiana)	Students who participate in the Research Experience for Undergraduates (REU) will develop a research proposal, attend weekly seminars, a journal club, and workshops on integrative research, ethics, problem solving, and scientific writing.	✓ Currently enrolled undergraduate student of sophomore or junior standing majoring in biological sciences. ✓ U.S. citizen or permanent resident. ✓ Primary interest in a career in biological research. <i>*Note:</i> Women, students belonging to groups traditionally underrepresented in the sciences, disabled students, and those attending small colleges with limited research facilities are encouraged to apply.	Students will receive a \$4,800 stipend for 10 weeks of full-time research, which is inclusive of lab supplies, on-campus housing, meals, and travel (up to \$500). For more information, visit the website. If you have additional questions, please send an email to Dr. Michelle Whaley.
University of Oregon (Oregon)	The University of Oregon (UO) Summer Program for Undergraduate Research (SPUR) offers summer fellowship opportunities for undergraduates from other universities and colleges to participate in ongoing research in UO Life Sciences laboratories at UO. Key features of this rigorous program include: a research project mentored by experienced investigators; faculty seminar series; research group discussions, professional development workshops, recreational, cultural, and social activities, formal presentation at Undergraduate Research Symposium, and assistance with preparation for research presentations at a national meeting.	✓ U.S. citizen or permanent resident. ✓ Completed at least on year of undergraduate coursework by summer. ✓ Undergraduate in good standing. ✓ Considering a career in research science.	Students will receive a summer stipend, round trip travel from home, room and board during the program, as well as a summer pass to the UO Student Recreation Center. For more information, visit the website. If you have additional questions, please send an email to the program.
University of Pennsylvania (Pennsylvania)	The Summer Undergraduate Internship Program (SUIP) provides an intensive research experience for students interested in graduate study in the biomedical and biological sciences. Interns will complete ten weeks of full-time supervised laboratory research, attend state-of-the-art research seminars, and receive career counseling from program faculty and administrators.	✓ Currently enrolled undergraduate student. ✓ U.S. citizen or permanent resident.	Students will receive a competitive stipend, on-campus housing, and roundtrip travel. For more information, visit the website. If you have additional questions, please send an email to the program.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	Areas of research include: ▪ Biochemistry and Molecular Biophysics ▪ Cell and Molecular Biology ▪ Control of Gene Expression ▪ Cell Signaling ▪ Cell Growth and Cancer ▪ Gene Therapy ▪ Developmental Biology ▪ Genetics, Genomics and Computational Biology ▪ Immunology		
University of Pennsylvania (Pennsylvania)	The Undergraduate Student Scholars Program at the University of Pennsylvania is an organized program of lectures and presentations combined with basic research experience. The curriculum is designed for undergraduate students with an interest in biomedical research, with the eventual goal of MD, PhD, or MD-PhD degrees. Students attend seminars on introductory topics in biomedical research and at the end of the course all participants present their research in a seminar.	✓ Currently enrolled undergraduate student. ✓ Interest in biomedical research, with the eventual goal of obtaining an MD, PhD, or MD/PhD. ✓ Students who are female or belong to groups traditionally underrepresented in the sciences are strongly encouraged to apply.	Students will receive a competitive stipend. While no included, on-campus housing is available. For more information, visit the website. If you have additional questions, please send an email to Rose Garrity.
University of Rochester (New York)	The Summer Scholars program is for undergraduate students interested in the Ph.D. degree in the Biological or Biomedical Sciences and for Students with a potential interest in attending graduate school at the University of Rochester. Trainees will participate in a centerpiece 10-week, hands-on, independent research project under the supervision of a faculty mentor, with guidance from graduate students and postdoctoral appointees, and oversight from the Program Director.	✓ Currently enrolled undergraduate of sophomore or junior standing. ✓ Academic minimum: 3.0 GPA. ✓ U.S. citizen or permanent resident (F1 visas also acceptable). ✓ Interest in pursuing a PhD in the field of Cellular and Molecular Biology. ✓ Minimal to no prior research experience. <i>*Note: Women and students from underrepresented ethnic/racial groups are encouraged to apply.</i>	Students will receive a \$450 weekly stipend in addition to on-campus housing. For more information, visit the website. If you have additional questions, please send an email to Dr. Lisa Opanashuk.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
University of Texas Health Science Center at San Antonio (Texas)	The Department of Molecular Medicine offers a Summer Undergraduate Research Fellowship (SURF) program for undergraduate students. This 10-week internship provides an opportunity for students to work in a research laboratory under the guidance of a faculty mentor. Students will also attend lectures given by participating faculty. At the conclusion of the program, students will present their research to the department.	✓ Currently enrolled in a Texas college or university OR a Texas resident enrolled in a college or university in another US state. ✓ U.S. citizen or permanent resident. ✓ At least 18 years of age.	Students will receive a \$4,000 stipend. For more information, visit the website. If you have additional questions, please send an email to the program or Dr. Barbara Christy.
University of Texas Medical Branch (Texas)	The Summer Undergraduate Research Program provides an opportunity to experience biomedical research. The program is designed to increase student motivation to pursue graduate education leading to careers in biomedical research. Students will work under the guidance of a faculty member and learn basic skills to work in state-of-the-art labs.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student who wishes to pursue graduate studies in biomedical sciences.	Students will receive a stipend of \$3,500. For more information, visit the website. If you have additional questions, please send an email to Laura Teed.
University of Texas Medical School at Houston (Texas)	The UT Houston Summer Research Program provides undergraduate students and first-year medical students enrolled at UT Houston Medical School with hands-on research experience supervised by faculty members from the medical school. The program includes workshops that supplement the research experience, including weekly seminars, certification courses in animal science, laboratory safety and radiation, an enrichment series, and tours of selected facilities and labs.	✓ Currently enrolled sophomores, juniors, and non-graduating seniors. ✓ U.S. citizen or permanent resident. ✓ Must have 12 hours of completed coursework in a science discipline.	Students will receive a \$2,500 stipend. Minimal on-campus housing is available at a discounted rate. For more information, visit the website. If you have additional questions, please send an email to Vaccaro Greaves.
University of Texas Southwestern (Texas)	The Summer Undergraduate Research Fellowship (SURF) program is designed for undergraduate students who are preparing for a career in biological research. Fellows will pursue individual research projects in the laboratories of UT faculty and present their research at the conclusion of the program. Areas of research include but are not limited to: ▪ Cell Biology	✓ Currently enrolled undergraduate student of at least sophomore standing. ✓ U.S. citizen or permanent resident. <i>*Note: Selection criteria includes: grades, relevant experience, and letters of recommendation.</i>	Students will receive a \$4,000 stipend, which is inclusive of housing. For more information, visit the website. If you have additional questions, please send an email to the program.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	- Chemistry - Microbiology - Pharmacology		
University of Toledo (Ohio)	The Summer Undergraduate Research Fellowship enables students to conduct experimental analysis in a research laboratory under the guidance of a mentor. Research areas include, but are not limited to: - Cancer genetics, therapy, and prevention - Vaccine development - Cancer biology - Gene therapy - Gene regulation	✓ Receipt of application and two letters of recommendation.	Students will receive a \$3,500 stipend for 10 weeks of full-time research. For more information, visit the website. If you have additional questions, please send an email to the program.
University of Utah (Utah)	The Utah Summer Undergraduate Research Program (USURP) provides an opportunity to gain research experience in a variety of biological fields, including: - Biochemistry - Cell and developmental biology - Ecology - Genetics - Immunology - Molecular biology - Neurobiology This 10-week research experience will be supplemented by an informal seminar series in which students will learn about the research interests and career paths of current students and faculty. Students will give a verbal presentation and write a short proposal about their individual research project and present a poster at the conclusion of the program.	✓ Utah resident. ✓ Currently enrolled undergraduate student of at least sophomore standing. ✓ U.S. citizen or permanent resident. ✓ No previous research experience is required.	Students will receive a \$3,000 stipend for 10 weeks of full-time research. For more information, visit the website. If you have additional questions, please send an email to Barbara Saffel.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
University of Wisconsin-Madison (Wisconsin)	Students in the Integrated Biological Sciences Summer Research Program (IBSSRP) will conduct independent research under the guidance of a faculty mentor in one of seven research areas: ▪ Biochemistry/Biophysics ▪ Bioenergy ▪ Cellular and Molecular Biology ▪ Computational Biology and Biostatistics ▪ Ecology, Plants, and Environmental Systems ▪ Neurobiology ▪ Virology In addition, students will prepare research proposals, final papers, and a verbal presentation summarizing their work.	✓ Currently enrolled undergraduate of sophomore to senior standing. ✓ U.S. citizen or permanent resident. ✓ Academic minimum: 3.0 GPA. ✓ Strong interest in a career in biological sciences. <i>*Note:</i> Women, minority students, disabled students, and those attending small colleges with limited research facilities are strongly encouraged to apply.	Students will receive a \$5,500 stipend for participation in the 10-week program, full travel support, housing, health insurance (if needed), and a partial food allowance. For more information, visit the website. If you have additional questions, please send an email to Dr. Lucas Moyer-Horner.
University of Wisconsin-Madison (Wisconsin)	The University of Wisconsin-Madison's Research Experience for Undergraduates in Microbiology (REUM) program allows students to conduct research under the direction of a faculty member and work as part of a team in the investigation of fundamental problems in microbiology and molecular biology.	✓ Currently enrolled undergraduate (preferably of junior or senior standing) majoring in the biological sciences. ✓ U.S. citizen or permanent resident. ✓ Strong interest in a career in biological research. <i>*Note:</i> Women, minority students, disabled students, and those attending small colleges with limited research facilities are encouraged to apply.	Students will receive a \$4,500 stipend for 10 weeks of full-time research. On-campus housing is provided, as well a modest allowance for meals. For more information, visit the website. If you have additional questions, please send an email to Dr. Jon T. Roll.
University of Virginia (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. The program's goals are to expose undergraduates to laboratory research and to familiarize them with the opportunities	✓ Currently enrolled junior or senior undergraduate.	Students will receive a \$4,590 stipend, travel compensation, as well as on campus housing. For more information, visit the website. If you have additional questions, please send an email to the program.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	that exist for careers in biomedical research. Presentations and panel talks from our graduate students, along with free GRE tutorials, help Summer Research Internship Program (SRIP) interns successfully navigate the graduate school application process.		
Vanderbilt University (Tennessee)	The Vanderbilt Summer Science Academy (VSSA) brings together all undergraduates conducting biomedical research at Vanderbilt University School of Medicine over a 9-week period. Each student has an independent research project for which they have the opportunity to present their findings at the Summer Symposium at the end of the program. The VSSA offers research seminars, a GRE preparatory course, as well as social activities for those undergraduates engaged in research on our campus during the summer.	✓ Strong desire to pursue an advanced degree (PhD or MD/PhD). ✓ Academic minimum: 3.0 GPA.	Students will receive between a \$2,500-\$4,000 stipend as well as a possible housing supplement, depending on the program. For more information, visit the website. If you have additional questions, please send an email to Dr. Michelle Grundy.
Virginia Commonwealth University (Virginia)	The Health Educational Research Opportunities (HERO) Program, 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 an 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.	✓ Currently enrolled undergraduate student of at least freshmen standing OR first-year medical or dental student. ✓ Currently enrolled at a 2-year or 4-year institution. ✓ Previous research experience preferred.	For more information, visit the website. If you have additional questions, please send an email to the program.
Washington University in St. Louis (Missouri)	The Division of Biology and Biomedical Sciences (DBBS) at WUSL offers 3 summer research programs for undergraduate students. The three programs include the Amgen Scholars Program, Biomedical Research Apprenticeship, and the Summer Research-Early Identification Program. All of these programs are designed to prepare undergraduate students for admission and the rigor of top tier PhD and MD/PhD programs.	✓ Currently enrolled undergraduate student. ✓ U.S. citizen or permanent resident. ✓ Previous research experience is encouraged.	Students will receive a stipend, travel compensation, and on-campus housing. For more information, visit the website. If you have additional questions, please send an email to the program.

Internships in Scientific Research or Medicine for Undergraduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
Weill Cornell Graduate School of Medical Sciences (New York)	The Access Summer Research Program at Weill Cornell Graduate School of Medical Sciences (WCGS) is designed to train underserved college students in the biomedical sciences. Students will perform hands-on research in a biomedical research laboratory under the guidance of a faculty member. In addition to gaining laboratory experience, students will attend lectures aimed at enhancing their understanding of the current status of biomedical research, the pathways available for entering research careers, and the range of available career opportunities. Students will also participate in weekly journal clubs, attend career development workshops, and take part in social activities.	✓ U.S. citizen or permanent resident. ✓ Underserved student. ✓ Currently enrolled undergraduate student who has excelled in their sophomore or junior year of college.	Students will receive a \$3,000 stipend for participating in the 10-week program and up to \$300 in travel expenses. On-campus housing is provided to those who are not from the New York City area. *Applicants must have individual medical insurance for the duration of the program. For more information, visit the website. If you have additional questions, please send an email to Francoise Freyre.
Yale University (Connecticut)	The Biomedical Science Training and Enrichment Program (BioSTEP) program offers summer research experience for undergraduate students. Trainees will conduct 10 weeks of research under the guidance of a faculty mentor in laboratories and training sites at Yale School of Medicine and the West Haven Veterans Administration Medical Center.	✓ Currently enrolled undergraduate student. ✓ U.S. citizen or permanent resident. ✓ Completed introductory chemistry and biology. <i>*Note:</i> Students from groups traditionally underrepresented in the biomedical sciences at research-intensive universities are particularly encouraged to apply.	Participants will receive a \$4,500 stipend for participating in the 10-week program. Housing and roundtrip travel is also provided. For more information, visit the website. If you have additional questions, please send an email to the program.

Internships in Scientific Research for Post-baccalaureate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
Association of Public Health Laboratories (Multiple locations)	The Emerging Infectious Diseases (EID) Laboratory Fellowship Program is a one-year program designed for bachelor's or master's level scientists, with emphasis on the practical application of technologies, methodologies, and practices related to emerging infectious diseases. Areas of training and/or research include: ▪ Development and evaluation of diagnostic techniques ▪ Antimicrobial sensitivity and resistance ▪ Principles and practices of vector or animal control ▪ Emerging pathogens ▪ Laboratory-epidemiology interaction	✓ Completion of undergraduate degree by the start of the program.	Compensation for bachelor's level participants is \$32,722 per year. Compensation for Master's level participants is \$36,475 per year. For more information, visit the website. If you have additional questions, please send an email to Heather Roney.
Huntsman Cancer Institute (Utah)	The goals of the Huntsman Cancer Institute's Summer Internship Program are to: ▪ Expose students to professionals in the fields of science and medicine and acquaint them with day-to-day activities in the field of biomedical research; ▪ Familiarize students with research approaches, techniques, data interpretation, and scientific problem solving; ▪ Provide an opportunity for students to meet peers with similar career goals; ▪ Train students to present scientific information to colleagues and peers; and ▪ Provide a friendly atmosphere and encourage open discussions to help students make informed career choices.	✓ Currently enrolled at a university or college as a sophomore, junior, or senior OR recent graduate who has not begun graduate or medical studies. ✓ A strong commitment to biomedical research. ✓ Academic minimum: 3.5 GPA.	Students will receive a \$3,000 stipend for participation in the ten-week internship. Interns are encouraged to make independent housing arrangements. For more information, visit the website. If you have additional questions, please send an email to JoAnn Ferrini.
National Institutes of Health (Maryland)	The Post-baccalaureate Intramural Research Training Award (IRTA) program provides opportunities for recent college graduates to spend a year engaged in biomedical research at	✓ U.S. citizen or permanent resident. ✓ Graduated from an accredited U.S. college or university with a bachelor's	The stipend for post-baccalaureate IRTA trainees is adjusted annually. Benefits include health insurance for the trainee and his/her family.

Internships in Scientific Research for Post-baccalaureate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	the National Institutes of Health (NIH). Trainees work with some of the leading scientists in the world in an environment devoted exclusively to biomedical research. Fellowships are available in the more than 1,250 intramural laboratories of the National Institutes of Health (NIH), which are located on the main NIH campus in Bethesda, MD as well as in Baltimore and Frederick, MD; Research Triangle Park, NC; Phoenix, AZ; Hamilton, MT; and Detroit, MI. The duration of the program is typically one year; it can be extended for one additional year depending on satisfactory trainee performance and continued availability of funds.	degree. ✓ Must begin training within two years of receipt of the undergraduate degree. ✓ During tenure in the program, post-baccalaureate IRTAs are expected to initiate the application process for graduate or medical school.	For more information , visit the website . If you have additional questions, please send an email to Debbie Cohen .
NASA STEM Programs (Multiple locations)	NASA's One Stop Shopping Initiative (OSSI) is an innovative solution to support the STEM (Science, Technology, Engineering, and Mathematics) workforce. NASA's internship programs are being phased into OSSI:SOLAR, including national programs, and programs that are unique to a specific NASA Center.	✓ U.S. citizen. ✓ Additional eligibility requirements map apply depending on the specific program.	*Note: students may identify opportunities of interest; however they cannot request to be considered for a specific internship program(s). For more information , visit the website .
Post-baccalaureate Research Education Program (PREP) (Arizona)	Arizona State University (ASU) hosts a one-to two-year training opportunity for underrepresented minority students who have recently completed their bachelor's degree and need to obtain more experience and preparation before entering a PhD graduate program in the biomedical sciences. In addition to lab work, scholars participate in activities designed to strengthen important skills for graduate school, including attendance at seminars, lab meetings, journal clubs, an ethical conduct in research course, and local and national scientific conferences.	✓ U.S. citizen or permanent resident. ✓ Completed undergraduate degree within the last three years.	Scholars will receive a salary of \$21,000 per year. For more information , visit the website . If you have additional questions, please send an email to Linda Manning or call: (480) 727-7891.
Post-baccalaureate Research Education Program (PREP) (Texas)	The Baylor College PREP program is designed to help underrepresented college graduates prepare for biomedical PhD study. The nine- to 12-month program allows students to gain	✓ U.S. citizen or permanent resident. ✓ Completed college within the last three years.	PREP apprentices will receive a salary of \$21,000 per year. For more information , visit the website .

Internships in Scientific Research for Post-baccalaureate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	mentored biomedical research and includes participation in a molecular and cellular biology course, weekly scientific development workshops, GRE test prep workshops, graduate school application workshops, individual counseling on applying to PhD programs, and individual tutoring and development in specific areas.	✓ Demonstrated interest in pursuing a PhD degree in the biomedical sciences.	If you have additional questions, please send an email to Dr. Laurie Connor or call: (713) 798-3521.
Post-baccalaureate Research Education Program (PREP) (Ohio)	The PREP program at Case Western Reserve University offers a one- or two-year coordinated program of study to increase the likelihood of success in a research-based graduate program. PREP Scholars enjoy mentored research experience, a tailor-made program of study, GRE test prep workshops, and a variety of venues to interact with and learn from some of the best researchers in the world.	✓ U.S. citizen or permanent resident. ✓ Graduated with a baccalaureate degree (BA or BS) in a biomedically-relevant science from an accredited US college or university less than 36 months prior to the date of application submission. ✓ Commitment to pursuing a PhD in the biomedical sciences.	Scholars will receive a salary of \$21,000 per year. PREP scholars are considered employees of Case Western Reserve University and will receive CWR's benefits package. Tuition for coursework taken as part of PREP is covered by the program. For more information, visit the website. If you have additional questions, please send an email to Joseph Williams.
Post-baccalaureate Research Education Program (PREP) (Minnesota)	The PREP program at the Mayo Clinic offers an intense mentored research experience in basic science or translational research. Scholars also attend special seminars and graduate-level courses and receive guidance to assist with successful continuation into a PhD or MD/PhD program.	✓ U.S. citizen or permanent resident. ✓ Underrepresented student who has obtained a bachelors degree within the past three years, or high school senior about to graduate in a biomedical science discipline who is planning to pursue a PhD degree in biomedical science. <i>*Note:</i> The Mayo Clinic College of Medicine considers underrepresented individuals as belonging to the following groups: Black/African American, Hispanic or Latino, American Indian or Alaska Native, Native Hawaiian or US Pacific Islander, and members of other racial and ethnic groups considered to be underrepresented in medicine and biomedical research. ✓ Willing to make a full-time and personal commitment to the program	Scholars will receive a salary of \$21,000 per year, as well as low-cost, comprehensive medical coverage through the Mayo Clinic. A second year of support may be available. For more information, visit the website. If you have additional questions, please send an email to Dr. Dennis Mays or call: (507) 266-8911.

Internships in Scientific Research for Post-baccalaureate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
		similar to that of a first-year graduate student.	
Post-baccalaureate Research Education Program (PREP) (New York)	The Mount Sinai PREP program offers one- to two-years of training to help scholars enhance their interest in and readiness for doctoral programs in biomedicine and research. Students will dedicate 75 percent of their time to laboratory research and 25 percent to a combination of courses, special work-in-progress seminars, skill development, and community-outreach activities.	✓ U.S. citizen or permanent resident. ✓ Graduated with a baccalaureate degree in a biomedically relevant science from an accredited U.S. college or university no more than 36 months prior to applying to a PREP. ✓ Not currently enrolled in a graduate degree program or have completed a graduate degree.	Scholars will receive an annual stipend of \$24,000. Health insurance is also provided. Travel awards are available for national meetings. For more information, visit the website. If you have additional questions, please send an email to the program or call: (212) 241-6546.
Post-baccalaureate Research Education Program (PREP) (Massachusetts)	The PREP program at Tufts University offers one- to two-year research apprenticeships for recent graduates who are interested in pursuing research careers in the biomedical sciences. Apprentices spend 75% of their time as research assistants and the remaining time is devoted to classes and individualized study that can range from GRE preparation to advanced graduate courses.	✓ U.S. citizen, non-citizen national, or permanent resident belonging to an underrepresented group (including, but not limited to: African-Americans, Hispanics, Native Americans, people with disabilities, and members of groups that are economically or socially disadvantaged).	For more information, visit the website. If you have additional questions, please send an email to Diana Pierce or call: (617) 636-6836.
Post-baccalaureate Research Education Program (PREP) (Alabama)	The University of Alabama at Birmingham (UAB) hosts a unique one- to two-year training opportunity for students seeking graduate degrees in biomedical or behavioral science. Students will be paired with a faculty mentor and receive instruction in academic writing, math, and test-taking in order to gain the necessary experience for acceptance into science programs in leading graduate schools.	✓ Member of a group traditionally underrepresented in the sciences who has received a baccalaureate (4-year) degree in the past three years. ✓ Not currently enrolled in graduate school. ✓ U.S. citizen or permanent resident.	Students will receive a \$21,000 stipend, plus health insurance and tuition for up to 10 credit hours of academic instruction. For more information, visit the website. If you have additional questions, please send an email to Dr. Jeffrey Engler or call: (205) 934-4734.
Post-baccalaureate Research Education Program (PREP) (Illinois)	Underrepresented students who hold a recent bachelor's degree in the biomedical or behavioral sciences are invited to work as lab technicians for one year at the University of Chicago . In addition to gaining lab experience, scholars will participate in specific academic, cultural, and social activities, including lab	✓ U.S. citizen or permanent resident. ✓ Intend to pursue a research doctorate upon completion of the program.	PREP scholars will receive a salary of \$21,000, as well as employee benefits. For more information, visit the website. If you have additional questions, please send an email to Dr. Nancy Schwartz.

Internships in Scientific Research for Post-baccalaureate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	rotations, travel to a national conference, weekly Journal Club meetings, a writing and ethics course, and workshops on GRE preparation and applying for graduate programs.		
Post-baccalaureate Research Education Program (PREP) (Kansas)	The University of Kansas PREP program provides up to two years of research experience in a scientific laboratory. The program is designed to prepare students for graduate study; therefore scholars will also receive personalized academic counseling, assistance with graduate school selection, travel to national meetings, an annual research symposium, and opportunities to enhance research and academic skills.	✓ U.S. citizen or permanent resident. ✓ Received a bachelor's degree within the last three years. ✓ Individuals belonging to a particular ethnic, racial or other underrepresented (e.g., economically disadvantaged, first generation college student, etc.) group are encouraged to apply.	For more information, visit the website. If you have additional questions, please send an email to Lynn Villafuerte or call: (785) 864-3641.
Post-baccalaureate Research Education Program (PREP) (Massachusetts)	The University of Massachusetts, Amherst PREP program encourages students of underrepresented groups who hold recent baccalaureate degrees to pursue doctorates in biomedical sciences. PREP participants work as apprentice scientists in laboratories and participate in professional development activities and take a course per semester. PREP is a one-year internship with the goal of strengthening the research skills and academic competitiveness of participants for pursuit of a graduate degree.	✓ U.S. citizen or permanent resident. ✓ Recent college graduate (received baccalaureate degree within the past 2 years). ✓ Intend to pursue a research doctorate upon completion of the PREP experience. <i>*Note:</i> Students are required to apply to the University of Massachusetts, Amherst Summer Program for Undergraduate Research (SPUR): http://neagep.org/spur.html	For more information, visit the website. If you have additional questions, please send an email to Vanessa Hill or call: (413) 577-4938.
Post-baccalaureate Research Education Program (PREP) (Michigan)	The University of Michigan PREP program provides a one-year research experience and extensive academic guidance to individuals from underrepresented groups in order to strengthen participant's candidacy for admission to the nation's strongest PhD programs and gain PhD degrees in biomedically relevant sciences. In addition to research, PREP students participate in a variety of activities, including a Graduate Record Exam (GRE) prep course, seminars and journal clubs, one or two University of Michigan graduate or	✓ U.S. citizen or permanent resident. ✓ Graduated or in the process of graduating with a baccalaureate degree in a biomedically relevant science from an accredited U.S. college or university, no more than 36 months prior to applying to PREP. Not currently enrolled in a graduate degree program. ✓ Belong to a group considered underrepresented in the biomedical sciences (as defined by the NIH:	Students will receive a full tuition scholarship, salary (\$21,000), and benefits [health and dental insurance]. For more information, visit the website. If you have additional questions, please send an email to Kate Barald or call: (734) 647-5773.

Internships in Scientific Research for Post-baccalaureate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	undergraduate courses, and group meetings to present research projects and discuss graduate school/career options.	individuals from underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds; socially, culturally, economically, or educationally. ✓ Plan to apply to a PhD program in a biomedically relevant science after successful completion of PREP.	
Post-baccalaureate Research Education Program (PREP) (Missouri)	The University of Missouri-Columbia (MU) PREP program prepares students for PhD study leading to research careers in the biomedical sciences, including areas that address health disparities in minority populations. Scholars will conduct faculty-mentored research leading to publication of research results and presentation at national conferences. In addition, scholars will receive rigorous academic preparation, including participation in graduate courses, GRE test preparation, graduate school planning, and research seminars, as well as personal development, including enhanced verbal and written communication and networking skills.	✓ U.S. citizen or permanent resident. ✓ Member of a racial or ethnic group underrepresented in the sciences, OR from a disadvantaged background, OR have a disability. ✓ Received a baccalaureate degree in a science major within the past two years or be on-track to earn a baccalaureate degree in a science major prior to entering the program. ✓ Intend to apply within two years of acceptance into the PREP program to a graduate program leading to a PhD in biomedical research.	MU PREP scholars will receive *one year of salary at \$21,000, including all educational fees, and support for travel to two scientific conferences. *If appropriate and available, two years of support will be offered. For more information, visit the website. If you have additional questions, please send an email to Dr. John David.
Post-baccalaureate Research Education Program (PREP) (New Mexico)	The University of New Mexico (UNM) PREP program is designed to enhance the ability of individuals in the biomedical sciences to gain entry to, and succeed in, nationally-recognized PhD programs. PREP is aimed at individuals from underrepresented groups in the sciences who have recently received a Bachelors degree. These individuals will either have relatively little laboratory experience, or will be changing research fields between their BS and PhD courses. To enhance scholars' competitiveness for graduate school, PREP also offers GRE classes and short training programs aimed at acquainting scholars with the expectations and challenges of graduate school.	✓ U.S. citizen or permanent resident. ✓ Member of a group found to be underrepresented in biomedical research or an individual from a social, cultural, economic, or educationally-challenged background. ✓ Recipient of a Bachelor's degree within 36 months prior to acceptance into the PREP program. ✓ Committed to pursuing a PhD in a biomedical research field and to performing research that will help reduce health disparities. ✓ Have a tangible need to complete	UNM PREP scholars will receive an annual salary of \$21,000, plus health and dental benefits. PREP will also cover the cost of tuition for courses that are required by the scholar to become familiar with their research. For more information, visit the website. If you have additional questions, please send an email to Antonio Banuelos or call: (505) 610-1725.

Internships in Scientific Research for Post-baccalaureate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
		an additional year of training before applying to graduate school. This might arise from having little or no research laboratory experience or wishing to pursue a degree in a field distinct from that in which they received their Bachelor's training. ✓ Willing to participate in group training that is designed to enhance research education and career development. ✓ Academic minimum: 3.0 GPA.	
Post-baccalaureate Research Education Program (PREP) (Texas)	The University of North Texas PREP program provides underrepresented minority students who have received an undergraduate degree in science with a challenging, focused post-baccalaureate experience that will help facilitate acceptance into and completion of a doctoral program in the biomedical field. Scholars will perform 30 hours of lab work as a research associate and attend weekly seminars/journal club meetings, a biomedical ethics course, and a GRE prep course. In addition, students will receive tutoring in study strategies, library and electronic research techniques, research presentation skills, and guidance on choosing a graduate school, obtaining financial support, etc.	✓ U.S. citizen or permanent resident. ✓ Possess a bachelor's degree from a regionally accredited institution. ✓ Academic minimum: 2.5 GPA from the last 60 undergraduate semester hours. ✓ Required to take the GRE (no minimum score). ✓ Major in the life sciences (biology, biochemistry, chemistry, biotechnology, etc.). ✓ Intend to pursue a PhD.	Scholars will receive a \$21,000 stipend. Housing is not included. For more information, visit the website. If you have additional questions, please send an email to Dr. Jamboor Vishwanatha or call: (817) 735-0224.

Internships in Scientific Research for Post-baccalaureate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
Post-baccalaureate Research Education Program (PREP) (New York)	The PREP program at the University of Rochester provides an opportunity to gain research experience in microbiology, virology or immunology as a full-time laboratory technician under the mentorship of a program faculty member for one year, with the possibility of an additional year of support. Scholars will also participate in an individually-tailored and tightly focused academic program; each trainee will have an opportunity to take a limited number of classes and participate in ancillary training and enrichment activities such as a PREP seminar series, career/professional development workshops (e.g., GRE test prep course, career roundtables), training in scientific communication, attendance at national research meetings, and an annual retreat/symposium.	✓ U.S. citizen or permanent resident. ✓ Member of a group traditionally underrepresented in the sciences, as defined by NIH. ✓ Have graduated with a baccalaureate degree in a biomedically relevant science from an accredited U.S. college or university no more than 36 months prior to the date of application submission. ✓ Intend to apply, within two years, for graduate education that will eventually lead to the research doctorate.	Scholars will receive an annual salary of \$24,000. The program also provides health insurance and tuition. For more information, visit the website. If you have additional questions, please send an email to Edith Lord.
Post-baccalaureate Research Education Program (PREP) (Pennsylvania)	The University of Pennsylvania PREP program provides a one- to two-year research experience for students who have completed college and are interested in pursuing a doctoral degree in the basic biomedical sciences. This program provides significant research experience, along with preparation for applying to and succeeding in graduate school. The goal of the program is to increase understanding in the principles and practices of biomedical research.	✓ U.S. citizen or permanent resident. ✓ Degree in a biomedically-relevant science from an accredited U.S. college or university and have graduated no more than 36 months prior to the start of the program. ✓ Intend to apply to a graduate program within two years of beginning the PREP program.	PREP scholars receive a competitive stipend, including health insurance. For more information, visit the website. If you have additional questions, please send an email to the program.
Post-baccalaureate Research Education Program (PREP) (South Carolina)	The University of South Carolina PREP program allows students to spend up to two years working as an employee in a federally-funded biomedical research laboratory to learn the nature of research in general and specific biomedical techniques in particular. In addition, scholars will have an opportunity to take graduate-level biomedical courses and/or correct deficiencies in their undergraduate education through tutorials or appropriate coursework, learn about the ethics and	✓ U.S. citizen or permanent resident. ✓ Have a degree in a biomedically-relevant science from an accredited U.S. college or university and have graduated no more than 36 months prior to the start of the program. ✓ Intend to apply to a graduate program within two years of beginning the PREP program.	USC PREP scholars will receive a stipend of \$28,000 per year. From this amount, scholars are expected to pay for mandatory health insurance unless the scholar has alternative insurance. For more information, visit the website. If you have additional questions, please send an email to Richard Hunt or call: (803) 733-3218.

Internships in Scientific Research for Post-baccalaureate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	responsibilities of biomedical research, and present their research at local and national meetings.		
Post-baccalaureate Research Education Program (PREP) (Washington)	The University of Washington (UW) seeks students from underrepresented, economically disadvantaged, and physically disabled groups who already hold baccalaureate degrees and wish to optimize their preparation for and successful completion of graduate studies leading to a PhD in biomedical sciences. The program will provide graduate school application assistance as well as mentored laboratory experience.	✓ U.S. citizenship or permanent resident. ✓ Have graduated with a baccalaureate degree in biomedically relevant science from an accredited U.S. college or university ✓ Academic minimum: 3.2 GPA.	PREP scholars will receive a salary of \$21,000/year, plus benefits, an educational allowance, and travel support to attend one national conference. For more information, please send an email to Dr. Gabriele Varani.
Post-baccalaureate Research Education Program (PREP) (Virginia)	The Virginia Tech [VT] PREP program offers a 12- to 24-month mentored research experience and academic program. 75% of scholar's time will be spent performing research and the other 25% will be spent in enrichment programs like undergraduate and/or graduate coursework, academic seminars and technical workshops, and graduate school and GRE preparation.	✓ *U.S. citizen or permanent resident. ✓ Have graduated within the last three years with a Masters degree or BA or BS. ✓ Academic minimum: 2.8 GPA. ✓ Must be interested in pursuing a PhD within two years of admission into PREP. <i>*Note: Individuals from ethnic groups considered by the Federal Government to be historically underrepresented in the biomedical and behavioral sciences are strongly encouraged to apply.</i>	PREP scholars will receive a \$21,000 annual stipend, benefits, travel support to attend a workshop or present at a scientific meeting, and tuition remission. For more information, visit the website. If you have additional questions, please send an email to the program.
Post-baccalaureate Research Education Program (PREP) (North Carolina)	The PREP program at Wake Forest University Health Sciences provides a one-year intensive research experience for underrepresented minority students. The focus of the program is on research training, academic enhancement, and GRE test preparation. The curriculum includes hands-on laboratory research, participation in a journal club, and a lecture series. Students may also attend one to two undergraduate or graduate level courses per year to meet the prerequisites for graduate	✓ U.S. citizen or permanent resident. ✓ Member of a group traditionally underrepresented in the sciences OR from an economically disadvantaged background and have completed the undergraduate degree. ✓ Interested in obtaining a PhD in the biomedical sciences. ✓ Academic minimum: 2.5 GPA. ✓ Graduated from an accredited	Scholars will receive an annual salary of \$21,000. For more information, visit the website. If you have additional questions, please send an email to Nobi Sarver.

Internships in Scientific Research for Post-baccalaureate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	school or demonstrate competence in graduate level coursework. Participants are required to apply to one or more PhD graduate programs by the conclusion of the program.	college or university within the past 3 years and willing to commit to one year of the program.	
University of Connecticut (Connecticut)	The Summer Research Fellowship (SURF) is a nine-week program designed to provide research experience under the guidance of a faculty mentor. Students will also gain some exposure to clinical medicine.	✓ Currently enrolled undergraduate student of sophomore, junior or senior standing OR recent graduate with a 'B' average or better who is interested in a career in medicine or biomedical research. ✓ Have completed some college coursework in biology and chemistry (preferably through organic chemistry). ✓ Member of a group traditionally underrepresented in the sciences (e.g. African American, Hispanic American, Native American Indian).	Participants will receive a stipend as well as housing accommodations. For more information, visit the website. If you have additional questions, please send an email to Jan Figueroa.
Virginia Commonwealth University (Virginia)	The Post-baccalaureate Research Experience Program is a one-year biomedical research training program for recent college graduates from underrepresented groups who are considering graduate-level training in the biomedical sciences. The program provides scholars with a mentored research experience and the opportunity to develop technical and critical-thinking skills.	✓ Graduated from an accredited college or university	Participants will receive a stipend of \$20,772. For more information, visit the website. If you have additional questions, please contact the program.

Internships in Pre-Medicine for Post-baccalaureate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
University of California at Davis (California)	This program provides the opportunity for pre-med students to interact with physicians in the Department of Surgery and observe them through every step of patient care. Students will experience what surgeons do on a daily basis as they shadow them. There are three areas of participation: ▪ Student will have 7-hour long hospital shifts during which they will shadow a physician at UCDMC; ▪ Mandatory weekend workshops; and ▪ Academic assignments in the form of assigned readings, essays, quizzes, and a final presentation.	✓ Open to all undergraduate, graduate, and post-baccalaureate students from all institutions who plan to apply to medical school. ✓ At least 17 years old.	This internship is a volunteer opportunity for students to shadow a physician at the UC Davis Medical Center. For more information, visit the website.
University of Cincinnati (Ohio)	The Summer Premedical Enrichment Program (SPEP) is a six-week residential experience for college juniors, seniors, and post-baccalaureate pre-medical students. Students will be exposed to the medical school experience through extensive interaction with current medical students and faculty and guidance through the medical school application process. Students will prepare for the academic curriculum through a non-credit course in cardio physiology. This program emphasizes strengthening critical thinking/problem solving skills, increasing self-awareness, and making each participant a competitive medical school applicant.	✓ Currently enrolled undergraduate of junior or senior standing OR post-baccalaureate premedical student. ✓ U.S. citizen or permanent resident. ✓ Evidence of *disadvantaged status and/or member of an ethnic group traditionally underrepresented in medicine and biomedical research careers, including persons belonging to the following ethnic groups: African American, Mainland Puerto Rican, Mexican American, Native American, and Pacific Islander.	For more information, visit the website. If you have additional questions, please send an email to the program.

Internships in Scientific Research for Graduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
Association of Public Health Laboratories (Multiple locations)	The Emerging Infectious Diseases (EID) Advanced Laboratory Training Fellowship is a one-year program designed for bachelor's or master's level scientists, with emphasis on the practical application of technologies, methodologies, and practices related to emerging infectious diseases. Areas of training and/or research include: ▪ Development and evaluation of diagnostic techniques; ▪ Antimicrobial sensitivity and resistance; ▪ Principles and practices of vector or animal control; ▪ Emerging pathogens; and ▪ Laboratory-epidemiology interaction.	✓ Completion of undergraduate degree by the start of the program.	Compensation for bachelor's level participants is \$32,722 per year. Compensation for Master's level participants is \$36,475 per year. For more information, visit the website. If you have additional questions, please contact Heather Roney.
Herman B. Wells Center for Pediatric Research (Indiana)	The goals of the Wells Center are to increase knowledge of the causes and mechanisms of serious pediatric diseases, to develop innovative approaches to diagnosis and treatment of childhood diseases, and to provide an outstanding training environment for medical and graduate students, residents, and fellows. Students will be paired with individual faculty in one of 34 laboratories. Students are encouraged to attend weekly seminars and research-related center meetings each week, as well as other academic events that involve the Wells Center faculty (e.g., combined seminar series, seminars of faculty candidates, Weekly Basic Science Research Forum and Pediatric Faculty Research Seminar Series). Interns are required to make a presentation at the conclusion of the program.	✓ *Currently enrolled undergraduate OR graduate student in a science major. ✓ Must be able to commit to participating in the entire 10-week program. *Note: Preference will be given to college undergraduate and graduate students, but high school students (seniors) may also apply.	Students will receive a \$2,500 stipend. Interns are responsible for their own housing and transportation arrangements. For more information, visit the website. If you have additional questions, please send an email to Leigh Crick.
Hispanic Serving Health Professions Schools (Virginia)	Working in collaboration with different agencies within the US Dept. of Health and Human Services and academic institutions, HSHPS is able to provide internships and fellowships for	✓ U.S. citizen or permanent resident. ✓ Current or recent graduate (less than three years) of a Masters degree	Students will receive a stipend to cover travel, housing, and additional costs, but the amount will vary according to the program.

Internships in Scientific Research for Graduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
	students interested in furthering the organization's mission of improving Hispanic health. Students will perform cancer-related research in: ▪ HIV/AIDS ▪ Cancer ▪ Tropical Medicine ▪ Border Health ▪ Statistics ▪ Occupational Health and Safety	OR enrolled in a doctoral program in the health field, including health administration/management and IT health informatics. ✓ Must speak and write fluently in English. ✓ Spanish fluency will vary depending on program.	For more information, visit the website. If you have additional question, please send an email to the program.
Indiana University/Purdue University Indianapolis (Indiana)	The T35/Summer Research Opportunity Program (SROP) at IUPUI is designed to encourage students traditionally underrepresented in the sciences to pursue graduate school and ultimately academic careers in biomedical research. Under the guidance of a faculty mentor, students will conduct research in the fields of molecular biology, biochemistry, immunology, cell biology, neuro-pharmacology, and several others.	✓ U.S. citizen or permanent resident. ✓ Full-time undergraduate student OR graduate student OR medical school student. ✓ Member of a group traditionally underrepresented in the sciences ✓ Students who are underrepresented in their field of study and who are sophomores or juniors majoring in any subject. ✓ Possess a competitive grade point average. ✓ Must have a strong interest in pursuing research.	Students will receive a \$3,000 stipend for participating in the eight-week program. In addition, campus residential housing (for out-of-state students) and roundtrip transportation is provided. IUPUI will also cover the cost of the GRE preparation course and all fees associated with the mandatory CIC-SROP conference held at Michigan State University. For more information, visit the website. If you have additional questions, please send an email to the program or call: (317) 278-3741.
Minorities Striving and Pursuing Higher Degrees of Success (Multiple locations)	The MS PhD's Professional Development Program facilitates mentoring and networking activities for minority undergraduate and graduate earth system science and engineering (ESSE) majors and provides a supportive environment in which participants develop strategies and professional skills necessary to excel in Earth system science and engineering fields.	✓ U.S. citizen or permanent resident. ✓ Two letters of recommendation.	Students will receive a \$1,000 fellowship, the opportunity to network at two international professional society meetings, and ESSE exposure and field trips. For more information, visit the website. If you have additional questions, please send an email to Lois Ricciardi.

Internships in Scientific Research for Graduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
National Institutes of Health (Maryland)	The Division of Cancer Epidemiology and Genetics hosts a research experience designed for students interested in exploring careers in cancer epidemiology and genetics. Students may also attend lectures offered under the NIH Summer Seminar Series, participate in DCEG meetings and seminars, attend formal NIH lectures, and participate in the DCEG Poster Day.	✓ High school OR undergraduate OR graduate student (including medical and dental students).	Participants will receive a stipend based on academic level. Students are responsible for housing, meals, and transportation. *Note: Nearby housing is available. For more information , visit the website . If you have additional questions, please send an email to the program .
National Institutes of Health (Maryland)	Participants in the Summer Internship Program (SIP) work one-on-one with some of the leading scientists in the world. Trainees on the main campus in Bethesda, MD will attend a lecture series featuring distinguished NIH investigators, informal lunchtime talks on training for research careers, and participate in a trainee poster session.	✓ Currently enrolled (at least half-time) high school OR undergraduate OR graduate student. ✓ U.S. citizen or permanent resident.	The stipend for trainees is adjusted annually. For more information , visit the website . If you have additional questions, please send an email to Debbie Cohen .
NASA STEM Programs (Multiple locations)	NASA's One Stop Shopping Initiative (OSSI) is an innovative solution to support the STEM (Science, Technology, Engineering, and Mathematics) workforce. NASA's internship programs are being phased into OSSI: SOLAR, including national programs, and programs that are unique to a specific NASA Center.	✓ U.S. citizen. ✓ Additional eligibility requirements map apply depending on the specific program.	*Note: students may identify opportunities of interest; however they cannot request to be considered for a specific internship program(s). For more information , visit the website .
Pathways to Science (Multiple locations)	Pathways to Science supports pathways to science, technology, engineering, and mathematics [STEM] fields. The program places a particular emphasis on connecting groups traditionally underrepresented in STEM fields with programs, funding, mentoring, and resources. Pathways to Science hosts a website that enables users to search for high school and undergraduate summer research opportunities, graduate fellowships, and postdoctoral positions.	✓ Please refer to the program's website or contact the respective administrator to review the eligibility criteria per program.	The stipend is adjusted annually. For more information , visit the website .

Internships in Scientific Research for Graduate Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
St. Jude Children's Research Foundation (Tennessee)	The Pediatric Oncology Education program at St. Jude Children's Research Hospital 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 in either laboratory 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.	✓ U.S. citizen or permanent resident. ✓ Academic minimum 3.4 GPA in math and science, cumulative minimum: 3.4 GPA. ✓ Currently enrolled undergraduate student of at least sophomore standing OR graduate student preparing for a career in medicine or biomedical sciences. ✓ Students with an interest in cancer research are particularly encouraged to apply.	Students will receive a \$4,000 stipend, in addition to housing near campus. For more information, visit the website. If you have additional questions, please send an email to Dr. Suzanne Gronemeyer.
Virginia Commonwealth University (Virginia)	The Health Educational Research Opportunities (HERO) Program, sponsored by the National Heart, Lung, and Blood Institute, provides a 10-week research experience for undergraduate and first-year medical or dental students. Students will have an 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.	✓ Currently enrolled undergraduate student of at least freshmen standing OR first-year medical or dental student. ✓ Previous research experience preferred.	Students will receive a \$4,000 stipend. For more information, visit the website. If you have additional questions, please send an email to the program.

Internships in Medicine for First-Year Medical Students

Program Sponsor	Description	Eligibility	Compensation / For More Information
Brigham and Women's Hospital (Massachusetts)	The Summer Training in Academic Research and Scholarship (STARS) program provides underrepresented minority (URM) medical and undergraduate students an opportunity to engage in basic clinical and translational research projects at Brigham and Women's Hospital (BWH) and in conjunction with Harvard Medical School (HMS). This program is designed to enhance the research capabilities of URM undergraduate and medical students and to encourage these scholars to pursue advanced graduate and medical education and training at BWH and HMS.	✓ Member of a group traditionally underrepresented in the sciences (African-American, Alaskan/Hawaiian Native, Hispanic, or Native American) ✓ U.S. citizen or non-citizen national with a permanent resident visa. ✓ Undergraduate student of junior or senior standing OR first-year medical student.	Students will receive a stipend for food and other necessities, travel compensation to and from Boston, and housing for the duration of the 8-week program. For more information, visit the website. If you have additional questions, please send an email to the program.
Indiana University/Purdue University Indianapolis (Indiana)	The T35/Summer Research Opportunity Program (SROP) at IUPUI is designed to encourage students traditionally underrepresented in the sciences to pursue graduate school and ultimately academic careers in biomedical research. Under the guidance of a faculty mentor, students will conduct research in the fields of molecular biology, biochemistry, immunology, cell biology, neuro-pharmacology, and several others.	✓ U.S. citizen or permanent resident. ✓ Full-time undergraduate student OR graduate student OR medical school student. ✓ Member of a group traditionally underrepresented in the sciences ✓ Students who are underrepresented in their field of study and who are sophomores or juniors majoring in any subject. ✓ Possess a competitive grade point average. ✓ Must have a strong interest in pursuing research.	Students will receive a \$3,000 stipend for participating in the eight-week program. In addition, campus residential housing (for out-of-state students) and roundtrip transportation is provided. IUPUI will also cover the cost of the GRE preparation course and all fees associated with the mandatory CIC-SROP conference held at Michigan State University. For more information, visit the website. If you have additional questions, please send an email to the program or call: (317) 278-3741.
Methodist Research Institute at Clarian Health (Indiana)	The Summer Student Research Program pairs students in the sciences with biomedical researchers and is designed to provide students with a hands-on research experience. Research projects are available in both clinical and laboratory settings. Other program requirements include: attending Clarian and program orientations; attending a lecture series; working 40 hours per week (excluding Memorial Day and the Fourth of	✓ Science major who has completed at least *60 semester hours by the start of the program; medical students should have completed their first year. ✓ 18 years of age at the time of hire. ✓ Academic minimum: 3.0 GPA. ✓ A commitment to work 40 hours per week for 12 consecutive weeks (from May to August).	Students will receive \$10 per hour. For more information, visit the website. If you have additional questions or would like to access the application forms, please send an email to Heather Richardson. *Note: Be sure to indicate SSRP in subject line.

Internships in Medicine for First-Year Medical Students

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	July); preparing a written review of the summer research project; and giving a short (generally 10-15 minute) verbal presentation of the research project.	*In most instances, 60 semester hours is equivalent to junior standing.	
St. Jude Children's Research Foundation (Tennessee)	The Pediatric Oncology Education program at St. Jude Children's Research Hospital 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 in either laboratory 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.	✓ U.S. citizen or permanent resident. ✓ Academic minimum 3.4 GPA in math and science, cumulative minimum: 3.4 GPA. ✓ Currently enrolled undergraduate student of at least sophomore standing OR graduate student preparing for a career in medicine or biomedical sciences. ✓ Students with an interest in cancer research are particularly encouraged to apply.	Students will receive a \$4,000 stipend, in addition to housing near campus. For more information, visit the website. If you have additional questions, please send an email to Suzanne Gronemeyer.
University of Maryland (Maryland)	The Greenebaum Cancer Center offers an 8-week mentored cancer research internship for undergraduate students interested in a research or medical career. Research topics encompass many areas that are on the forefront of scientific interest, including: ▪ Cancer drug resistance ▪ Signal transduction ▪ Programmed cell death ▪ Molecular pharmacology ▪ Angiogenesis and carcinogenesis Students will write and present a synopsis of their work at the conclusion of the program.	✓ Currently enrolled undergraduate OR medical student. ✓ Strong academic background in the arts and sciences.	Students will receive a \$1,500 stipend. Interns who participate in the program for a second summer will receive a \$2,000 stipend. Students who return for three or more summers will receive a \$2,500 stipend. Interns are responsible for housing, meals, and transportation. For more information, visit the website. If you have additional questions, please send an email to Dr. Bret Hassel.
University of Texas Medical School at Houston (Texas)	The UT Houston Summer Research Program provides undergraduate students and first-year medical students enrolled at UT Houston Medical School with hands-on research experience supervised by faculty members from the medical school. The program includes workshops that supplement the research experience, including weekly seminars,	✓ Currently enrolled undergraduate OR first-year medical student. ✓ U.S. citizen or permanent resident. ✓ Must have completed 12 hours of coursework in a science discipline.	Students will receive a \$2,500 stipend. A limited number of NIH grants offer a stipend of \$5,200. Minimal on-campus housing is available at a discounted rate. For more information, visit the website. If you have additional questions, please send an email to Vaccaro Greaves.

Internships in Medicine for First-Year Medical Students

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	certification courses in animal science, laboratory safety and radiation, an enrichment series, and tours of selected facilities and labs.		
Virginia Commonwealth University (Virginia)	The Health Educational Research Opportunities (HERO) Program is sponsored by the National Heart, Lung, and Blood Institute. During this 10-week summer research experience, undergraduate and first-year medical or dental students will have an 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.	✓ U.S. citizen or permanent resident. ✓ Currently enrolled undergraduate student of at least freshmen standing OR first-year medical or dental student. ✓ Previous research experience preferred.	Students will receive a \$4,000 stipend. For more information, visit the website. If you have additional questions, please send an email to the program.
Wayne Memorial Community Health Centers (Pennsylvania)	The Wayne Memorial Community Health Centers First Year Medical Student Summer Internship offers a 5, 6, 7, or 8 week program to first year medical students. This is an opportunity for students to gain clinical experience and utilize the skills and knowledge obtained in the first year. Focus will be on the patient interview, physical exam, anatomy and physiology.	✓ The internship is open to US and Canadian medical students in their first year of study.	Students will receive a \$500 weekly stipend. For more information, send an email to the program.