

BIOMEDICAL SUMMER RESEARCH OPPORTUNITIES FOR UNDERGRADUATE STUDENTS

Below is a list of Summer Research Programs we are aware of. Start your search here, and then expand as you need to.

Pathways to Science Summer Research Opportunity Database
[Search Fellowships, Scholarships, Paid Internships, and Research Opportunities: PathwaysToScience.org](#)

[**Amgen Scholars – An Undergraduate Summer Research Program in Science and Biotechnology**](#)

Participating Institutions:

- [CalTech](#)
- [Columbia University/Barnard College](#)
- [Duke University](#)
- [Harvard University](#)
- [Johns Hopkins University](#)
- [National Institute of Health](#)
- [Stanford University](#)
- [UC Berkeley](#)
- [UCLA](#)
- [UC, San Francisco](#)
- [UT Southwestern Medical Center](#)
- [Washington University in St. Louis](#)
- [Yale University](#)

Summer Research Programs

[**Big Ten Academic Alliance SROP - Summer Research Opportunities Program \(SROP\)**](#)

See website for your choice of participating SROP Institutions

Application Deadline: February 10, 2022

Program dates: Varies depending on campus.

[**Brigham & Women's Hospital Summer Training in Academic Research & Scholarship \(STARS\)**](#)

The Summer Training in Academic Research and Scholarship (STARS) Program is a distinguished summer research opportunity at Brigham and Women's Hospital for underrepresented in medicine (URiM)* undergraduate rising juniors and seniors, and first-year medical students with a strong interest in pursuing advanced careers as research scientists, physicians and/or health care professionals. The program recruits students from around the US into an eight-week mentored summer program. Students participate in intensive hands-on training in research methods and practice directly in the labs of Brigham and Women's Hospital and Harvard Medical School's leading researchers.

Program features: 8 week research experience, clinical shadowing, graduate school and professional development workshops, social and networking events.

Financial Support: Travel to and from Boston, travel to and from the airport, \$5,000 living stipend, public transportation expense card. Housing is fully covered.

Application Opens: November 14, 2022

Application Deadline: January 2, 2023

Broad Summer Research Program (BSRP)

The Broad Summer Research Program (BSRP) is an intensive nine-week summer research opportunity designed for undergraduates with a commitment to biomedical research and an interest in genomics. BSRP has a strong record of success in helping students to nurture their passion for research and succeed in graduate school and scientific careers. Students spend the summer performing original computational or experimental-based research in labs across the Broad's research areas, from cancer to infectious disease to computational biology.

Application Deadline: January 10, 2022

Program dates: May 30 - July 29, 2022

Children's Hospital Research Foundation of Cincinnati: Summer Undergraduate Research Fellowship (SURF)

Division of Developmental Biology, Cincinnati, OH

The Summer Undergraduate Research Fellowship (SURF) Program at Cincinnati Children's Hospital Medical Center offers undergraduates the chance to explore clinical, translational, and basic science research in laboratories in the Department of Pediatrics, University of Cincinnati College of Medicine. The primary goal is to provide students with a foundation for making career choices in the biomedical sciences.

Program Deadline: February 1, 2022

Program Dates: 9 weeks, starting either May 23 or 31, 2022.

Cold Spring Harbor Laboratory: Undergraduate Research Program

Watson School of Biological Sciences

Cold Spring Harbor, New York

Application Deadline: January 15, 2022

Program Dates: June 6 - August 6, 2022

Cornell University - The Leadership Alliance

Contact persons:

- Bob Harris, rlh10@cornell.edu, 607-255-5358
- Laurel Southard, les3@cornell.edu or 607-254-4533

The Leadership Alliance

Duration: 8-10 weeks

Application Deadline: February 1, 2022

Other info: Students must have completed two semesters and have at least one semester remaining of their undergraduate education by the start of the summer program; US citizen or permanent resident; 3.0 GPA, 22 institutional members offer summer research programs--students should check institution's website for specific information on research fields, program dates, and mentors before submitting the application form.

Dartmouth: ASURE | Guarini School of Graduate and Advanced Studies

Hanover, New Hampshire

Duration: 10 weeks

Application Deadline: February 1, 2022 (through the [Leadership Alliance Website](#))

Program dates: mid to late June to late August

The ASURE program provides a stipend, housing, travel expenses, and a food allowance once a student is accepted into the program.

Wide range of fields including Psychology and Cognitive neuroscience

Emory: Summer Undergraduate Research Experience (SURE)

The SURE program is a ten-week summer program during which undergraduate research fellows conduct full-time independent research under the direction of a faculty mentor.

Our summer researchers receive a housing award for residence on the Emory campus and a stipend to support their full-time attention to research training and professional development.

Student researchers benefit from hands-on research, mentorship, networking opportunities, and graduate school preparation.

SURE provides an opportunity for students to discuss research and start building their professional network with world-renowned researchers and the best and brightest peers from Emory and other institutions.

SURE students come from all backgrounds and disciplines including the humanities, arts, social sciences, natural sciences, physical sciences and engineering.

Deadline: January 17, 2022

Program dates: June 1- August 6 2022

Gerstner Sloan Kettering Graduate School of Biomedical Sciences

NYC, NY

Application Deadline: February 1, 2022

Program dates: start first Monday in June goes for 10 weeks

Ten-week research program is designed for approximately 20 outstanding undergraduate students who are interested in pursuing a career in biomedically related sciences.

Harvard: Summer Honors Undergraduate Research Program

SHURP is a ten-week summer program offered by the Division of Medical Sciences at Harvard Medical School and the Graduate School of Arts and Sciences. It seeks to provide underrepresented minority college students an opportunity to gain training and mentorship in scientific research.

Application Deadline: February 1, 2022

Program Dates: May 31 - August 7, 2022

Jackson Laboratory: Summer Student Program

Bar Harbor, Maine

Application Deadline: February 2, 2012

Program dates: June 6-August 12, 2022 an early start option of two week earlier.

Other info: must be enrolled as a full-time undergraduate student, have at least one semester of undergraduate education remaining before graduation, and be a US citizen or permanent resident. Also open to high school students over 16 and have completed grade 11 or 12.

Stipend and room and board.

Contact: Ms. Randi O'Rourke, (207) 288-6749, summerstudents@jax.org

Johns Hopkins School of Medicine: Summer Internship Program

The Summer Internship Program (SIP) provides experience in biomedical and/or public health research to students from diverse backgrounds - including students from racial/ethnic groups underrepresented in science and medicine, students from low-income/underserved backgrounds, and students with disabilities. The program provides research exposure for students interested in potential careers in science, medicine and public health.

Program Deadline: February 1, 2022

Program Dates: May 29 - August 6, 2022

Johns Hopkins University: Vivien Thomas Scholars Initiative

This \$150 million initiative, backed by Bloomberg Philanthropies, will permanently add a sustained cohort of approximately 100 new positions in Johns Hopkins STEM PhD programs to welcome and support students from Historically Black Colleges and Universities (HBCUs) and Minority Serving Institutions (MSIs) in their STEM journey.

Vivien Thomas PhD scholars will receive full financial support, along with the holistic mentorship, research training, professional and career development, and community support critical to student success.

The Vivien Thomas Scholars Initiative (VTSI) also will support pre-PhD STEM pathways for students from HBCUs and MSIs through expanded research-intensive summer undergraduate and post-baccalaureate program opportunities.

The VTSI will host a virtual session on Thursday, November 4th, 5pm Eastern Standard Time to share more information on the initiative.

We would welcome your sharing this initiative and the webinar invitation below with your students and anyone else you consider might have interest.

More information on this effort is available here: jhu.edu/vivien-thomas

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

Providence, RI

With one application student can apply to three of the following institutions currently offering SR-EIPs:

- Brown University
- Columbia University
- Cornell University
- Dartmouth College
- Delaware State University
- Harvard University
- Howard University
- Hunter College
- Johns Hopkins University
- Montana State University
- New York University
- Princeton University
- Stanford University
- Tufts University
- University of Colorado-Boulder,
- University of Maryland-Baltimore County
- University of Miami

- University of Pennsylvania
- University of Virginia
- Vanderbilt University
- Yale University,
- Eli Lilly and Company

Application Deadline: February 1, 2022

Other info: Students must have completed two semesters and have at least one semester remaining of their undergraduate education by the start of the summer program; 3.0 GPA and US citizen or permanent resident; students should check the institution's website for specific information on research fields and mentors before submitting the application form.

MD Anderson CPRTP - Cancer Prevention Summer Research Experience

Are you an undergraduate, graduate, or health profession student interested in learning about careers in cancer prevention research?

We want to hear from you!

Now accepting applications for a 10-week, NCI-funded summer internship in cancer prevention & control, early detection and risk assessment.

Eligibility:

- Open to undergraduates, graduates, and health profession students in a U.S. degree-granting program during the 2022 spring and fall semesters.
- Must be a U.S. Citizen or Permanent Resident.
- Applicants from diverse backgrounds including underrepresented minority students, students from economically disadvantaged and underserved backgrounds, and students with disabilities are encouraged.
- Competitive stipend provided by a grant award from the [National Cancer Institute \(NCI\)](#).
- Additional benefits include round-trip airfare to/from Houston, housing assistance, and research support funds.

MIT Summer Research Program – General (MSRP) | Office of Graduate Education

Program Deadline: TBA

Program Dates: June 5 – August 6, 2022

NASA Internships and Fellowships

NASA internships and fellowships leverage NASA's unique missions and programs to enhance and increase the capability, diversity and size of the nation's future science, technology, engineering and mathematics (STEM) workforce. Internships are available from high school to graduate level. Internships provide students with the opportunity to participate in either research or other experiential learning, under the guidance of a mentor at NASA.

Eligibility: minimum 3.0 GPA on 4.0 scale

Must be US citizen

Dates: Late May/Early June to August, 10 weeks

Deadline: **Not updated**

New York University School of Medicine: Summer Undergraduate Research Program

Application Deadline: February 1, 2022

Other info: Stipend, round trip travel expenses to NY, and accommodations in University Housing provided.

NIH: Summer Internship Program (SIP) - Training Programs in the Biomedical Sciences

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

Application deadline: TBA

Program dates: flexible

Purdue University Summer Research Opportunities Program

The Summer Research Opportunities Program (SROP) is a pathway to graduate education at Purdue University. This program is designed to provide equal access and opportunities to underrepresented and diverse students by preparing students for Graduate School by offering eight-weeks intensive research experiences, and graduate school resources that contributes to student's professional and academic growth.

Financial support: \$4,000 living stipend

Application opens: TBA (through Big 10 Alliance)

Application deadline: TBA (through Big 10 Alliance)

The Rockefeller University: Chemers Neustein Summer Undergraduate Research Fellowship Program

The SURF program provides a unique opportunity for undergraduates to conduct laboratory research. SURF students 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; neuroscience; physics; and mathematical biology.

Application Deadline: February 1, 2022

Program dates: June 6-August 12, 2022

Summer Undergraduate Research Fellowship (SURF): Graduate School

University of Texas

Application Deadline: February 1, 2022

Duration: 10 weeks from June 6, 2022 - August 13, 2022

Other info: Must be enrolled in a natural science degree program at the undergraduate level and have completed the sophomore year; \$5,000 stipend

Additional Note: Undergraduates who intend to attend **medical school** with plans to pursue careers in medicine and research but who may not choose to pursue formal graduate (i.e. Ph.D.) training should apply to the [UT Southwestern Undergraduate Medical Research Fellows Program](#)

Stanford School of Medicine

Stanford, CA

Stanford Summer Research Program in Biomedical Sciences

[SSRP-AMGEN Scholars Program - Stanford Biosciences](#)

[Amgen Scholars – An Undergraduate Summer Research Program in Science and Biotechnology](#)

Application Date: Feb 1, 2022

Other info: Dates for Amgen Scholars may be different

University of Arizona: Summer Research Institute | Undergraduate Research Opportunities Consortium

The **Summer Research Institute** (SRI) offers you an outstanding opportunity to learn how to conduct research, enjoy your summer, and prepare for graduate studies at The University of Arizona (UA), a highly-ranked Research Extensive (Research I) Land Grant institution with a large multicultural student body and over 200 graduate programs in a myriad of fields.

University at Buffalo CLIMB UP

CLIMB UP (Undergraduate Program) for Summer Research is an interdisciplinary, 10-week long summer research program for undergraduates to conduct research in the biomedical, behavioral, and health sciences. The CLIMB UP program provides research mentoring and career and professional development tailored to the goals of each of its divisions defined by research themes and sources of funding. Students explore graduate and career opportunities, discuss and present their research, network, and participate in social activities.

Application Deadline: February 1, 2022

Duration: June 1 - August 6, 2022

Other information: Funds are available to provide a living stipend (room and board plus incidentals, paid biweekly) for a limited number of students. Housing is provided for students who live outside Buffalo.

University of California, Berkeley

Berkeley, California

[NSF Summer Research Experience Program in Cell, Developmental and Evolutionary Biology](#)

Application Deadline: February 1, 2022

Duration: 10 weeks, June 6 to August 13, 2022

Website has not been updated

Other info: Stipend provided, paid on-campus housing in International House, includes 19 meals/week, travel costs reimbursed up to \$600; non-graduating undergraduates who will be entering the 2nd, 3rd, or 4th year toward the Bachelor's degree; U.S. citizens or permanent residents.

UC Berkeley also has a list of summer programs at other universities found at this site:
<http://research.berkeley.edu/opportunities.php?option=nbab>

Amgen Scholars Program
Summer Undergraduate Program in Engineering Research at Berkeley (SUPERB)

UC Irvine: SURF

Irvine, California

Application Deadline: TBD, registrations opens in November

Duration: 8 weeks: June 19 – August 12 2022

Other info: Full-time enrolled sophomore, junior, or senior; U.S. citizen or permanent resident; stipend, on-campus housing, and roundtrip travel (up to \$500) provided.

UCLA: Summer Programs for Undergraduate Research (SPUR)

Los Angeles, California

Application Deadline: Vary by program/see website

There are numerous programs for undergraduate summer research at UCLA

Program Dates: June 19 to August 13 or 26, 2022

Other info: Students entering Junior or Senior year; stipend, round-trip transportation, on campus housing with breakfast included.

UC Riverside: Mentoring Summer Research Internship Program (MSRIP) | Graduate Division

Application Deadline: Not updated

Program dates: Not updated

Other info: all disciplines

UC San Diego: STARS (Summer Training Academy for Research in the Sciences)

San Diego, California

Application Deadline: Not updated

Program dates: Not updated

Other info: The University of California, San Diego Summer Training Academy for Research in the Sciences (STARS) program is an eight week summer research academy for undergraduate students, recent graduates, and masters students. STARS offers an exciting research internship for students by participating in an ongoing UCSD research project and experience the rigors and challenges of graduate study at a top rated research institution.

University of Iowa Summer Research Opportunities Program (SROP)

The Graduate College's Summer Research Opportunities Program (SROP) is an award-winning eight-week immersion program designed to provide underrepresented undergraduate students with in-depth research experiences. SROP is a gateway to graduate education in a [Big Ten Academic Alliance Initiative](#) at the University of Iowa.

Students receive first-hand exposure to the graduate school experience at the University of Iowa and scholarly research by being paired with a faculty mentor whose work is closely related to their academic interests and career goals. Students will showcase their work at the [UI Summer Undergraduate Research Conference](#), which is a culmination of their summer undergraduate research experiences.

Financial support: All travel (airfare + ground transportation), housing, and a stipend for food (restaurants and groceries) as well as a \$4,000 stipend in three installments

Application Opens: November 10, 2022 (through Big 10 Alliance)

Application Deadline: February 10, 2023 (through Big 10 Alliance)

University of Minnesota: Life Sciences Summer Undergraduate Research Program (LSSURP) | Medical School

Since 1989, the University of Minnesota LSSURP has offered life sciences programs for undergraduate students who have a goal of enrolling in Ph.D. and MD/PhD programs. LSSURP is supported by the University of Minnesota Medical School. 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 in August.

Deadline: February 1, 2022

Program June 5, 2022 – August 13, 2022

Stipend (amount not listed), housing, and travel included

University of Oregon: Summer Program for Undergraduate Research

Application deadline: no set deadline but they start making offers in February

Program dates: First Monday in June to third week in August (can start at a later date)

University of Pennsylvania: Summer Undergraduate Internship Program (SUIP) | IDEAL Research

Philadelphia, PA

Application date: Feb 1 2022

Program dates: May 31 – August 5, 2022. Ten week program

The SUIP provides an intense research experience to students interested in graduate study in the biomedical and biological sciences. The program has been in existence since 1993.

Approximately 30 college students from across the US participate each year; most are rising juniors and seniors, but occasionally we admit a rising sophomore. Interns complete ten weeks of full-time laboratory research, attend state-of-the-art research seminars, receive career counseling from program faculty and administrators, and attend [The Leadership Alliance National Symposium](#). The program seeks to encourage and prepare talented students to pursue careers in scholarly research.

Washington University in St. Louis LEAD Global Training Program

The LEAD Global Training Program provides doctoral and postdoctoral trainees from under-represented groups with the skills and hands-on experiences needed to lead multi-disciplinary, collaborative research teams focused on mental health disparities research in low-resource communities. Program options include a short-term summer training experience and a full time one- or two-year postdoctoral position. It will be held virtually in 2022.

Dates: June 1 – August 7, 2022

Application Due: January 10, 2022

UW Madison: Biological Interactions Summer Research Program – WISCIENCE

Madison, Wisconsin

The IBS-SRP offers research experiences to undergraduate junior and senior students interested in biological research careers. Each student does full-time research for 10 weeks with a faculty member in one of eight disciplinary clusters: Biochemistry/Biophysics; Bioenergy; Cellular & Molecular Biology; Computational Biology & Biostatistics; Ecology, Plants & Environmental Systems; Molecular and Environmental Toxicology; Neurobiology; and, Virology. The eight disciplinary areas are woven together in an interdisciplinary learning community through 5 Big Ideas in biology: Evolution; Energy & Matter; Information Flow, Exchange, & Storage; Structure & Function; and, Systems Biology. In addition, science writing, research ethics, preparation for graduate school, and biological science career choices are highlighted. At the end of the program, students orally present their research at a symposium, and publish written reports summarizing their research in a program journal.

Deadlines: 2/15/2022

Program dates: May 31- August 6, 2022

Stipend: \$6,000, \$600 food allowance, housing, travel, and health insurance if needed

Application Process Considerations

Please keep in mind that summer research program application deadlines vary by program and range from November to March. Carefully read and follow application instructions and follow up on your application and related materials to ensure that your application is complete and received by the appropriate personnel.

Application Deadline usually means all required application materials (e.g. application, letters of recommendation, transcripts, etc.) have to be received (not postmarked) by the program office before that date. Some programs may state the application materials must be postmarked by the deadline date. Please note that some programs that accepted paper and online applications in the past will only be accepting online applications this year.

The volume of applications increases in the weeks leading to the deadline. Your application will probably receive more consideration if received early in the evaluation process. Some programs have a Begin Decision Date and Final Application Deadline and many encourage students to apply early, especially if applications are reviewed on a rolling basis.

Review each program's eligibility requirements to ensure you meet their criteria.

1. Some programs target specific students--undergrad, underrepresented minority students (i.e. African American, Chicano/a, Latino/a, Native American, Native Pacific Islander, Puerto Rican students), socioeconomically disadvantaged. Students interested in pursuing degrees in medicine (MD) or dentistry (DDS) may not be eligible for some programs unless they also plan to pursue a Ph.D.
2. Must meet academic requirements for example: appropriate major, appropriate number of semesters completed, adequate GPA, etc.
3. U.S. citizenship or permanent resident status.
4. You may need to provide proof of health insurance when you accept a position in the summer research program.