Selected National Undergraduate Student Summer Research Programs
Stanford School of Engineering
Engineering Diversity Programs, Dr. Lozano

Stanford Summer Undergraduate Research-External Students:
SURF’s goal is to encourage students to get involved in research with faculty mentors early in their careers. Students work with a faculty member as part of his or her group, for an entire summer, with the goal of producing an identifiable research result. Students get on-campus room and board, as well as a stipend. All underrepresented diversity students who are undergraduate students are eligible to apply to SURF. But strict priority will be given to declared undergraduate majors.

The Leadership Alliance:
http://www.theleadershipalliance.org
Stanford is proud to be a Leadership Alliance partner and joins SR-EIP in its efforts to encourage students from groups traditionally underrepresented in the sciences, social sciences, and humanities, to consider research careers in academia, business, or in the public sector. SR-EIP for underrepresented and underserved students offers undergraduates the opportunity to work for eight to ten weeks under the guidance of a faculty mentor at a Leadership Alliance participating partner, or a corporate sponsor. Deadline: February 1.

The Stanford Summer Research Program in Biomedical Sciences (SSRP):
http://ssrp.stanford.edu
The Stanford Summer Research Program in Biomedical Sciences is a fully funded, eight week, residential internship program. It offers undergraduates from across the country that want to prepare for and enter Ph.D. programs in the biomedical sciences a unique opportunity for advanced research experience within a world-class university. This program combines a rigorous research opportunity with comprehensive mentoring. Deadline: February 1.

Science Undergraduate Laboratory Internship (SULI) Program:
This program offers 20 to 25 students an eight week paid internship at the Stanford Linear Accelerator Center (SLAC) in Menlo Park, California. Students conduct research with a scientist or engineer on a project related to the laboratory’s research program. Students also participate in a program of scientific lectures and tours to local Silicon Valley high-tech industry. Free housing on Stanford campus, transportation, and a stipend are offered to selected students. Deadline: January 8, 2016.

UC Berkeley Undergraduate Research Experience
http://www.eecs.berkeley.edu/Programs/ugrad/superb/superb.html
COINS: The Center of Integrated Nanomechanical Systems (COINS) at UC Berkeley sponsors a summer research program for US Citizens and Permanent residents interested in Nanoscience (primarily from the following majors: EE, CS, Mechanical Engineering, Bioengineering, Materials Science Engineering, Chemical Engineering, Chemistry, Physics). Work with a world-renowned faculty member and a graduate student mentor on such research areas as energy scavenging, sensing, electronics & wireless, and mobility. The program will provide a $4,000 stipend, room and board, travel arrangements (up to $500), and GRE prep course & graduate school advising. Meltem Erol, merol@berkeley.edu or 510-643-7380. Deadline: January 30, 2017. SUPERB: UC Berkeley’s SUPERB-CSIS: Summer Undergraduate Program in Engineering Research at Berkeley. SUPERB targets high-potential juniors who have a strong interest in graduate study, and who are either socio-economically disadvantaged, low-income, first-generation college students, or have very limited access to undergraduate research in their undergraduate institution. Elisa Lewis, SUPERB Program Coordinator elisa@eecs.berkeley.edu. Deadline: January 30, 2017.

Caltech MURF and SURF Undergraduate Research Fellowships
http://sfp.caltech.edu/programs
The MURF program aims to increase the participation of underrepresented students (such as African American, Hispanic, and Native American, females who are underrepresented in their discipline, and first-generation college students) in science and engineering Ph.D. or M.D./Ph.D. programs and to make Caltech’s programs more visible to students not traditionally exposed to Caltech. Students must be current sophomores through non-graduating seniors and must be U.S.
citizens or U.S. permanent residents. A minimum GPA of 3.0 is required. MURF students will receive a $6,000 award for the ten-week program. Carol Casey, Associate Director, Student-Faculty Programs, (626) 395-2887 casey@caltech.edu Deadline: February 22, 2017.

**Broad Institute: MIT and Harvard Summer Research**
http://www.broadinstitute.org/students/summer-research-programs
http://odge.mit.edu/undergraduate/msrp/apply/

MIT and Harvard engineers and scientists use genomic information to study human evolution, population and disease genetics, cellular networks, and the biology and evolution of pathogens. The research draws on students and scientists from a wide variety of backgrounds, including: Computer Science, Engineering, Computational Biology, Chemistry, Physics, Mathematics, Biochemistry, Molecular Biology, and Genetics. SRPG is designed for underrepresented minority undergraduate students with an interest in biomedical research. Students will spend the summer in a laboratory at the Broad Institute, where they will perform original scientific research. The program also features components to support both academic and scientific growth, including scientific seminars, a journal club, and workshops on scientific writing, graduate admission, and fellowships. Applicants must also be US citizens or permanent residents and underrepresented minorities (African Americans, Hispanic Americans, Native Americans (including Alaska Natives), or natives of the Pacific US Territories). Participants provided with a 9-week stipend of $4,000. Housing and travel also covered. Eboney Smith, esmith@broad.mit.edu

**National Science Foundation (NSF_REU):**

The NSF – Research Experiences for Undergraduates (REU) program is a program for students interested in identifying research opportunities and for faculty interested in obtaining support for undergraduate research students through either an REU Supplement or REU national Site proposal. Each student is associated with a specific research project where he/she works closely with the faculty and other researchers. Students are granted stipends and, in many cases, assistance with housing and travel. Undergraduate students supported with NSF funds must be citizens or permanent residents of the United States or its possessions. Deadline: 4th Wednesday in August.

**National Aeronautics and Space Administration Undergraduate Student Research Program (NASA – USRP)**
https://intern.nasa.gov/

NASA’s USRP program offers undergraduates mentored internships at their various NASA Centers and research facilities. The program exposes and prepares students to work in science, technology, engineering, and math (STEM) career fields by allowing them to work on projects with real life applications that possibly may be seen on future space missions. NASA mentors choose students based on their applications and academic experience in STEM fields. These paid internships range from 10 (summer) to 15 (fall/spring) consecutive weeks and are available fall, spring, and summer. Deadline: March 1, 2017.

**Amgen Scholars:** http://amgenscholars.com/

Amgen Scholars is a program to increase undergraduate participation in scientific research. Each participant is granted financial assistance and paired with a mentor at their host university. At Stanford, the eight week internship pairs students with a lab mentor and professor to help shape an individualized research project. Participants receive additional mentoring from other faculty and administrative leaders, along with a chance to experience northern California. The aim of Stanford’s Amgen Scholar’s program is to recruit, develop, and retain undergraduates with potential to excel in scientific research, biomedical research, and academia. There are multiple host campuses in both the U.S. and Europe, which are listed on the site. To apply for the program, visit the site and apply directly through the host campus’ website. The program is open to sophomores with at least 3 semester/4 quarters, juniors, and seniors who will be returning to their undergraduate studies in the fall. Deadline: February 1, 2017.