Programs at Harvard Faculty of Arts and Sciences:

The School of Engineering and Applied Sciences (SEAS) Research Experi- ence for Undergraduates (REU) program is designed to introduce students to a broad spectrum of undergraduate into biotechnology, materials re- search, and applied electronics. The program provides its interns with a coordinated, educational and dynamic research community to inspire and encourage them to continue to graduate school. Summer research opportunities for undergraduates are arranged in conjunction with the Materials Research Science and Engineering Center (MRSEC), the Na- noscale Science and Engineering Center (NSEC), as well as other Harvard- based engineering and scientific entities. Professional development work- shops, seminars, and community activities are integrated into the program. Students receive a summer stipend, and housing is provided.

Programs at the Harvard School of Public Health:

Summer Biomedical Informatics Training Program is a 2-week paid internship program for undergraduate students interested in a biomedical informatics career sponsored by the Center for Biomedical Informatics (CBI). The internship provides students with the opportunity to work on a CBI mentored and research-based project. Students will attend seminars and visit affiliated laboratories. Presentations of undergraduate research projects are required at the end of the summer. Participants must be junior or senior undergraduates, and must be United States citizens or permanent residents of the United States. As applicants from diverse and/or underrepresented racial and ethnic groups are welcome; a computer science background is mandatory as well as interest in biomedical science. Students will receive a weekly stipend.

Summer Honor's Undergraduate Research Program (SRUP) is a ten- week summer research program primarily for college students belonging to groups that are under-represented in the sciences. Administered by the Division of Medical Sciences at Harvard Medical School, SRUP is offered for currently-enrolled undergraduates who are considering careers in biology, medicine and health sciences. Students who have already had at least one summer [or equivalent term-time] of experience in a research labora- tory, and who have taken at least one upper-level biology course that includes molecular biology, U.S. citizenship or permanent residency is required.

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

HST126 Summer Institute in Bioinformatics The informatics for Integrating Biology and the Bedside National Center for Research Training (IBB NCRT) in collaboration with Harvard Medical School and the Leadership Alliance Consortium (LAC) has developed the IBB Summer Institute in Bioinformatics. The program is open to undergraduate students who have completed at least one year of college and/or second year medical students.

Newborn Medicine Research Program at Children’s Hospital provides students with a seminar series designed to provide students with insight into career in newborn medicine and the new techniques and methodologies that are being utilized in this field. Students will have the opportunity to participate in clinical research at the newborn medicine research program and have the opportunity to participate in regular medical rounds and discussions with newborn medicine faculty. Students will be provided with room and board; travel to and from program, and a small stipend.

Continuing Umbrella of Research Experiences (CURE) Program Data- Farber/Harvard Cancer Center (DF/HCC) introduces high school and college students from underrepresented minority populations to the world of cancer research through participation in the CURE Internship Program. The CURE Internships, which are delivered via a 9-week summer program or a year part-time experience. Participants are assigned individual advisors and do hands-on cancer research work as well as attend seminars, obtain cancer (professional) development counseling, and learn about issues and ethics in research. Applicants must demonstrate an interest in pursuing a biomedicine or health related career.

Dental Summer Research Program at the Harvard School of Dental Medicine is an eight-week paid summer research program for undergraduate students, particularly those from underrepresented minori- ty groups who are interested in enhancing their background in research. Each year, two students are selected; each participant is assigned a faculty member at HSDM who serves as a research mentor to supervise the student's research project in basic or clinical public health epidemiology. For more information contact: pearl.largen@hsph.harvard.edu

Programs for Medical Students:

The Pre-Matriculation Summer Program at Harvard Medical School is designed to enrich medical students in good standing at U.S. dental schools who are interested in applying to Harvard for dental school. This program provides selected students with the opportunity to experience the Harvard dental school environment and an understanding of the life of a dental student. This program is open to dental students who have completed at least one year of dental school. Students who complete this program will be given preference in the application process for admission to Harvard School of Dental Medicine. This program is open to students who are interested in applying to Harvard School of Dental Medicine and who meet the following criteria: have completed at least one year of dental school, have a minimum GPA of 3.5, and have taken the American Medical College Admissions Test (AMCAT) with a minimum score of 70.

The Harvard Catalyst Visiting Research Internship Program (VRIP) is a 10-week paid internship program open to currently enrolled first and second year medical students. Students applying for VRIP must be citizens or permanent residents. Students are selected through an application process that includes a letter of intent and an interview. The program provides participants with the opportunity to work on a variety of research projects, including basic and clinical research, in order to gain experience in the fields of medicine, dentistry, and related disciplines. Students will be provided with an opportunity to work with faculty members, postdoctoral fellows, and other students in a collaborative and supportive environment. Participants will receive a stipend of $3,000 for the 10-week program. Participants are required to attend a weekly seminar series and a career pathways presentation, and to present their research findings in the HIV Symposium. Students are required to participate in a seminar in cell biology, but not necessarily have previous lab experience.

The Harvard Catalyst Visiting Internship Program (VIP) is a 10-week paid internship program open to currently enrolled first and second year medical students. Students applying for VIP must be citizens or permanent residents. Students are selected through an application process that includes a letter of intent and an interview. The program provides participants with the opportunity to work on a variety of research projects, including basic and clinical research, in order to gain experience in the fields of medicine, dentistry, and related disciplines. Students will be provided with an opportunity to work with faculty members, postdoctoral fellows, and other students in a collaborative and supportive environment. Participants will receive a stipend of $3,000 for the 10-week program. Participants are required to attend a weekly seminar series and a career pathways presentation, and to present their research findings in the HIV Symposium. Students are required to participate in a seminar in cell biology, but not necessarily have previous lab experience.
Students experience the excitement of gaining hands-on experience with novel research projects at major medical centers and laboratories.

**MENTORS**

Students benefit from the daily experience of learning from and collaborating with Harvard Faculty, clinicians, postdoctoral fellows, graduate students, medical students, and others who are farther along their career paths.

**INTERESTED IN DOING SUMMER RESEARCH AT HARVARD?**

WE HAVE A WIDE RANGE OF SUMMER PROGRAM OFFERINGS:

Summer Research Programs at Harvard University and its affiliated institutions offer unique opportunities to develop your skills as a scientist and test your inclinations toward research.

**REAL WORLD RESEARCH:**

**CAREER DEVELOPMENT AND COUNSELING:**

Via career development seminars and networking, students gain an in-depth view of career paths and professional opportunities. Students also meet with admissions representatives of the medical, dental, and graduate school admissions offices.

**COMMUNITY:**

Harvard-wide events such as the Summer Programs Dinner allow students to engage and network with hundreds of their peers: a wide variety of talented, motivated students from all ethnic, geographic, educational, and economic backgrounds.

For more information, please contact: 617-432-1092 or p66_dcp@hms.harvard.edu