**M-Sci Program**

**Summer Research Opportunities 2017**

*2015 Cohort only **2016 Cohort only

All other opportunities listed are open to students from both cohorts who meet each program’s eligibility requirements.

The MAOP Undergraduate Summer Research Internship (SRI)

Application available December 2016

(SRI) at Virginia Tech started in summer 1993, and since then has been a transformative experience for hundreds of students. Students from a wide variety of academic disciplines spend ten weeks during the summer (late May - late July/early August) working closely with a faculty mentor in a mentor/protege relationship to design, conduct and present a scholarly research presentation. Students interact with other student researchers, faculty and graduate students in different areas of study, using state-of-the-art equipment, and attend seminars on the nature of graduate academic life. Students also prepare to take the Graduate Record Examination (GRE), and receive counseling on gaining admission to graduate school and available funding opportunities.

http://www.maop.vt.edu/Undergraduate_programs/summer_research.html

*The University of Michigan Future Public Health Leaders Program*

Application available November 1st 2016 – January 31st 2017 (need to have completed at least 2 years)

(FPHLP) is a 10-week summer program at the University of Michigan School of Public Health (UM-SPH) whose goal is to increase the diversity of the public health workforce.

http://fphlp.sph.umich.edu/

Chicago Botanic Garden Summer Undergrad Research Experience

Application available January 1st 2017 – February 1st, 2017

Plant Biology and Conservation, from genetic to ecosystem levels of inquiry. 10-weeks, $4,750 stipend plus room and board.

http://www.cbgreu.org/

*The Lunar and Planetary Institute*

Deadline: January 6th, 2017 (need at least 50 credit hours)

(Houston, TX) The LPI invites undergraduates to experience cutting-edge research in the planetary sciences through the Summer Intern Program. As a summer intern you would complete a research project of current interest in planetary science, working one-on-one with a scientist at the LPI or at Johnson Space Center. The LPI is located near Johnson Space Center, on the south side of Houston, TX. The LPI provides, on NASA leadership in the scientific community for research in lunar, planetary, and solar system sciences, and linkage with related terrestrial programs.

http://www.lpi.usra.edu/lpiintern/

*Morehouse College Project IMHOTEP Internship*

Deadline: January 31st, 2017

The Public Health Sciences Institute (PHSI), a program in the Division of Science and Mathematics, is the only undergraduate program with a concentration in public health in the Atlanta University Center (AUC). Its primary goal is to better prepare underrepresented minority students for
entry into graduate programs at schools of public health with special emphasis on the quantitative areas of biostatistics, epidemiology, and occupational safety and health as well as health policy & management, health promotion & behavior, environmental health science, nutrition, global health, maternal & child health, and industrial hygiene.

http://www.morehouse.edu/centers/phsi/centers/phsi/grants-imhotep.html

*MIT Summer Research Program (MSRP)*
Available November 15th, 2016 – January 30th, 2017
This program seeks to identify talented sophomores, juniors, and non-graduating seniors who might benefit from spending a summer on MIT’s campus, working in a research laboratory under the guidance of experienced scientists and engineers.
https://biology.mit.edu/outreach_initiatives/UG_summer_internship

*Harvard Medical School- Summer Honors Undergraduate Research Program*
Available: November 1st, 2016 Deadline: February 1, 2017
Harvard Medical School- Summer Honors Undergraduate Research Program (SHURP) is a ten-week summer research program primarily for college students belonging to groups that are under-represented in the sciences. Acceptance is preferred for students that have prior experiences in research.
https://www.hms.harvard.edu/dms/diversity/shurp/

Advancing Cornell Career Experiences for Science Students (ACCESS)
Available: November 1st, 2016 Deadline: February 1, 2017
The Summer Internship Program at WCGS last 10 weeks. It is for undergraduates designed to enhance their understanding of modern biology and medical research.
http://gradschool.weill.cornell.edu/about-us/summer-undergraduate-research

The Travelers Summer Research Fellowship Program
Deadline: February 1, 2017 (Must be in junior year)
The Travelers Summer Research Fellowship Program is designed to give 25 premedical students deeper insights into the field of medicine, including issues that greatly affect the health of traditionally underserved groups. Through the experiences of laboratory or clinical research, the student learns how one pursues a specific research problem under the supervision of a faculty member, thus providing an early education into basic research techniques that could be applicable to any area of medicine.
http://weill.cornell.edu/education/programs/tra_sum_res.html

*NYU School of Medicine Summer Undergraduate Research Program (SURP) *
Available November 1st, 2016 Deadline: January 30th, 2017
For qualified sophomores and juniors who are interested in pursuing M.D., M.D./Ph.D. or Ph.D. degrees and a career in research.
http://www.med.nyu.edu/sackler/summer-undergraduate-research-program-surp

*NEON Internship Program*
Available November 2016 Deadline: February 2017
The NEON Internship Program is designed to provide qualified undergraduates with real-world summer work experience in their chosen field. Because NEON is an interdisciplinary organization, we accept students from a variety of disciplines (e.g., Science, Engineering, Computing).
NEON interns are involved with a variety of projects, from helping to design sensor assemblies to testing sampling protocols and analyzing data.

http://www.neoninc.org/learn-experience/internships

Doris Duke Conservation Scholars Program (DDCSP@UW)

Available November 14th, 2016

The goal of this multi-year conservation immersion program is to broaden participation within conservation, and diversify what it means to be a “conservation professional.” Conservation Scholars will:

· Explore conservation across urban, managed, and protected environments
· Connect conservation to cultural heritage and environmental justice
· Understand conservation in the context of food, water, biodiversity and climate
· Network with conservation professionals from agencies, NGOs, and academic institutions

The Year 1 experience, Classroom in the Field, starts on June 23rd, 2015. Doris Duke Conservation Scholars will have all travel, insurance, food and lodging paid during their 8-week summer experience and will receive a weekly stipend of $500. Year 1 Scholars may be invited to join a Conservation Solutions Team, or receive a prestigious Conservation Internship in subsequent summers.

http://uwconservationscholars.org/

*Mathematical and Theoretical Biology Institute (MTBI)*

Deadline: January 31, 2017

This intensive eight-week summer research experience for undergraduates in Tempe, Arizona prepares promising young scientists interested in working at the interface of mathematics, statistics and the natural and social sciences for the rigors of graduate studies. MTBI is a research experience for undergraduates (REU); it is not an internship, nor will students earn college credit for participation.

http://mtbi.asu.edu

*The Amgen Scholars Program*

Deadline: February 1, 2017

The Amgen Scholars Program is a national program to increase research opportunities for students committed to pursuing careers in the sciences. This program provides outstanding science undergraduates with research experience and increases participants’ competitiveness as candidates for admission to prestigious graduate and professional institutions. Additionally, this program encourages participants to pursue a Ph.D. or the joint M.D./Ph.D. degree and research careers in the sciences and biotechnology. Applicants from diverse populations and backgrounds are encouraged to apply.

http://www.amgenscholars.com/

University of Washington Undergraduate Summer Research Program

Deadline: February 1st, 2017

Environmental and occupational health is an interdisciplinary field that uses the tools of science to solve human health problems related to the environment. If you want to use your science background to help people live healthier lives, this research program is for you. The Environmental
Health Research Experience Program (EHREP) is a funded eight week, summer experience for talented undergraduates who express strong interest in environmental health science research. Each year, the department will select students from a national pool of applicants and pair each with a faculty mentor.

http://deohs.washington.edu/ehrep

Cary Institute's Research Experiences for Undergraduates (REU)

Deadline: February 12, 2017

The Cary Institute Research Experiences for Undergraduates Program This program enables students to design and complete their own research projects, in consultation with other participants and scientists, in a number of areas related to Ecology.

http://www.caryinstitute.org/students/reu-program

Committee of Institutional Cooperation SROP


The Summer Research Opportunities Program is the gateway to graduate education at CIC universities. Enhance academic and research skills by working one-on-one with a faculty mentor from top ranked research institutions. Gain experience as an undergraduate student for an advantage as a graduate applicant, at the same time, earn money and have all expenses paid during this full-time summer research opportunity.

http://www.cic.net/students/srop/introduction

WHOI Summer Fellowships


A research project is at the heart of the Summer Student Fellowship program. All Fellows are expected to work on a project selected in collaboration with their sponsor(s) that will provide meaningful results in one summer’s work. Project topics span the vast spectrum of research in ocean sciences and engineering conducted in WHOI’s science departments and the Woods Hole Field Station of the U. S. Geological Survey (USGS).

http://www.whoi.edu/main/summer-student-fellowship

Biophysical Society Summer Course in Biophysics

Deadline: February 15, 2017

The Biophysical Society Summer Course, an 11-week scholarship program hosted by the University of North Carolina at Chapel Hill, introduces undergraduate minority students, disadvantaged students and students with disabilities to the field of biophysics.* The program includes lectures, seminars, lab work, team-building activities and field trips. The Course is designed to reflect a graduate-level research program. Students who are US citizens or permanent residents and who have a strong quantitative background in basic or applied sciences are encouraged to apply.


Summer Training Academy for Research Success (STARS)


The STARS program is an eight week summer research academy for community college students, undergraduate students, recent college graduates, and masters students. STARS offers student participants a rigorous research opportunity with esteemed UC San Diego faculty,
informative transfer and graduate school preparation workshops, and educational, cultural, and social activities in sunny San Diego.

http://grad.ucsd.edu/degrees/summer-researches/stars/index.html

The IU Simon Cancer Center Summer Research Program (SRP)
Deadline: February 26, 2016 (Need at least 24 credit hours)
Aims to increase the number of high school and undergraduate students from underrepresented populations pursuing biomedical and behavioral science careers by providing positive and meaningful firsthand exposure to these fields.
http://cancer.iu.edu/education/training/summer-research/index.shtml

*Stanford Summer Health Careers Opportunity Program (SSH COP)*
Stanford Summer HCOP is a six-week academically intensive residential program that provides a living and learning community for talented college sophomores and juniors who plan to pursue a career in medicine. Participants must demonstrate that they have experienced educational or academic barriers to pursuing their education and demonstrate the desire to serve in the Bay Area as Physicians.
http://coe.stanford.edu/pre-med/sshcop.html

*Summer Medical and Dental Education Program (SMDEP)*
Deadline: March 1, 2017
A FREE (housing and most meals) with a $600 stipend six-week summer academic enrichment program that offers freshman and sophomore college students intensive and personalized medical and dental school preparation.
http://smdep.org/

*National Institutes of Health (NIH) Undergraduate Scholarship Program (UGSP)*
Available: January 3rd, 2017 Deadline: March 14, 2017
Students from disadvantaged backgrounds that are committed to biomedical, behavioral, and social science research careers at the NIH (must be interested in employment at NIH after graduation)
https://www.training.nih.gov/programs/ugsp

Downstate Summer Research Program
Deadline: April 1, 2017
SUNY School of Graduate Studies provides research internships for a eight-week period during the summer for undergraduates currently enrolled as sophomores or juniors. Minorities are encouraged to apply. This program is intended for students who are seriously planning to pursue a Ph.D. degree in biomedical sciences. Research projects are under individual faculty sponsorship. All research is substantive, requiring the full-time commitment of the student. Weekly work in progress meetings are held. An abstract, a write-up of at least 2 pages of the work and an oral presentation are required at the end of the session.
http://www.downstate.edu/grad/fellowship.html

** The Summer Premedical Academic Enrichment Program
Deadline: TBD
Pre-Baccalaureate/Summer Premedical Academic Enrichment Program SPAEP Level I is an intensive, residential seven week program. Level 1
involves two classes, MedBio and Med English. Together, they comprise ~170 hours of instruction over the course of the program. The curriculum of MedBio is built around 6 diseases. For each, students participate in talks on epidemiology, physiology, pharmacology and molecular biology pertaining to the disease. Each unit also includes talks by clinicians who specialize in the disease, lab activities and clinical pathology conferences where the students examine autopsy specimens from patients with that disease. The program is open to individuals who are entering their sophomore and junior year of college.

SPAEP Level II program is designed for students who are entering their junior or senior year of college. This highly competitive summer research program pairs talented undergraduates with biomedical researchers in a variety of areas. Participants will gain exposure to the real world of medicine through clinical medicine. The program also provides interactions with highly experienced and expert clinicians who are committed to enriching the academic and clinical training environment, exposure to the university and hospital facilities and brown bag seminars. In addition to a 32 hour per week schedule, Level II students participate in medical school admissions preparation workshops, physician shadowing and MCAT preparation, academic enrichment skills sessions which includes personal statement design, test taking, stress management, learning skills and simulated medical school interviews. The program strives to enhance and improve participant’s chances of becoming successful applicants for any health science school.

http://www.medschool.pitt.edu/future/future_03_spaep.asp

Opportunities in Genomics Research (OGR) at Washington University

Deadline: February 5, 2017

Undergraduate Scholars, an eight-week summer program and Extensive Study, a one-year postbaccalaureate program. Both programs include conducting research with premier investigators in genomics and genetics as well as disciplines such as: cancer biology, molecular biology, immunology, and others. They provide a competitive stipend/salary, housing (summer program only), and travel to St. Louis.

http://genome.wustl.edu/outreach/programs/