

## Summer Research Opportunities 2016

### STEM:

\*\* Under represented/ minorities/ first generation especially/ encouraged to apply

\*\*\* Only diverse, low income and first generation college students can apply

But please read each carefully and language is sometimes vague.

### **\*\*The Johns Hopkins Bloomberg School of Public Health Diversity Summer Internship Program [mostly STEM + public health]**

**Application Available:** November

**Application Deadline:** February 1

**Notifications of Placement:** mid-March

**Requirements:** Applicants must have completed two years of college. Preference is given to students who have one or two years of undergraduate study remaining and seniors who have applied to a graduate program in the Bloomberg School of Public Health. Students from underrepresented minority groups and those from economically disadvantaged backgrounds are encouraged to apply.

**Subjects:** Science, Medicine or Public Health [ALSO LISTED UNDER PUBLIC HEALTH]

### **\*\*University of Nebraska – Lincoln Summer Research Programs {STEM + some Health}**

**Application Available:** November 15

**Priority Deadline:** February 1

**Application Deadline:** March 1

**Notifications of Placement:** April 1

**Requirements:** Preference given to juniors or seniors with one year of remaining undergraduate coursework and students with evidence of an interest in pursuing an advanced degree. Applications from underrepresented students are encouraged.

**Subjects:** Bioenergy systems, biomedical engineering, chemistry, optics and laser physics, applied mathematics, nano-hybrid functional materials, minority health disparities, redox, sustainability of civil infrastructures, virology.

### **National Amgen Summer Scholars Program [Mostly STEM, but it varies]**

**Application Available:** Most applications open November 1

**Application Deadline:** Application deadline for each university is different. Most applications are due in early February. Check the university's website for more information.

**Notifications of Placement:** Depends on the university.

**Requirements:** Non science majors can apply but be sure to check the websites of the participating universities to be sure there is a research program for your major.

**Subjects:** Biochemistry; Bioengineering; Bioinformatics; Biopsychology; Biotechnology; Chemical and Biomolecular Engineering; Chemistry; Immunology; Medical Pharmacology; Microbiology; Molecular, Cell, and Developmental Biology; Molecular Genetics; Molecular Medicine; Molecular Pharmacology; Neurobiology; Neuroscience; Pathology; Physiological Psychology; Physiological Science; Statistics; and Toxicology. **\*Depends on participating universities.** Check their websites. [ALSO LISTED UNDER VARIES]

**NSF/University of Minnesota (REU) Undergraduate Research Program in the Behavioral and Cognitive Sciences**

**Application Available:** *No program held in 2015 or 2016*

**Application Deadline:** *No program held in 2015 or 2016*

**Notifications of Placement:** Not listed

**Requirements:** Preference is given to upcoming seniors.

**Subjects:** Behavioral and cognitive science [ALSO LISTED UNDER VARIES]

**\*\*University of Washington Environmental Health Research Experience Program (EHREP)**

**Application Available:** October 1

**Application Deadline:** February 1

**Notifications of Placement:** April 1

**Requirements:** Underrepresented, diverse and first generation students are encouraged to apply.

**Subjects:** Any science, mathematics, engineering, environmental health, and public health majors. Non-science majors can apply but need to have at least completed one year of college biology, physics, general or organic chemistry. [ALSO LISTED UNDER PUBLIC HEALTH]

**Mayo Clinic Graduate School Summer Undergraduate Research Fellowship**

**Application Available:** October 1

**Application Deadline:** February 1

**Notifications of Placement:** Not listed

**Requirements:** Must be a sophomore or junior with at least a 3.0 GPA. Applicants should be seriously considering a biomedical research career as a Ph.D. or M.D.-Ph.D.

**Subjects:** Science majors with interest in biomedical field

**CURE Summer Research Program at the Robert H. Lurie Comprehensive Cancer Center of Northwestern University**

**Application Available:**

**Application Deadline:** March 1

**Notifications of Placement:** Not listed

**Requirements:** Must have at least a 3.2 GPA.

**Subjects:** Biomedical science

**\*\*Research Experience for Underserved College students at the Physical Sciences-Oncology Center at Northwestern University**

**Application Available:**

**Application Deadline:** March 1

**Notifications of Placement:** Not listed

**Requirements:** Applicants should be from underrepresented population and be pursuing a major in engineering, applied mathematics, or a physical science.

**Subjects:** Must have a concentration in engineering, mathematics, or physical sciences.

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### \*\*\*Summer Program in Quantitative Sciences at the Harvard School of Public Health

**Application Available:** October 15

**Application Deadline:** February 1

**Notifications of Placement:** March 1

**Requirements:** Only diverse, low income and first generation college students can apply.

**Subjects:** Applicants must have a strong background in mathematics, statistics, and computer science or biology. [ALSO LISTED UNDER PUBLIC HEALTH]

### \*\*\*Summer Program in Epidemiology at Harvard University

**Application Available:**

**Application Deadline:** February 26

**Notifications of Placement:** *Not yet listed for 2016; Early April for 2015*

**Requirements:** Must have a 3.0 GPA or above. Applicants must have a strong interest in Epidemiology or public health. Should have taken quantitative classes like calculus, statistics beyond intro level classes. Only diverse, low-income and first generation undergraduate students can apply.

**Subjects:** Epidemiology and biostatistics [ALSO LISTED UNDER PUBLIC HEALTH]

### \*\*\*Summer Program in Biological Sciences in Public Health at Harvard University

**Application Available:**

**Application Deadline:** March 1

**Notifications of Placement:** early April

**Requirements:** Applicants must have strong background in science beyond intro levels. Should have interest in public health, especially in laboratory research. Only diverse, low income and first generation college students can apply.

**Subjects:** Biological sciences [ALSO LISTED UNDER PUBLIC HEALTH]

### The Noble Summer Research Scholar Program

**Application Available:** October 1

**Application Deadline:** February 12

**Notifications of Placement:** Not listed

**Requirements:** Must be a sophomore with declared major in plant science, life science, chemistry or bioinformatics.

**Subjects:** Analytical Biochemistry, Applied Genomics, Molecular Plant Pathology, Phytochemistry, Plant-Microbe Interactions, Structural Biology, Transformation, Viral Evolution, Molecular Breeding, Biochemistry, Bioinformatics, Cell Biology, Developmental Biology, Genetics/Genomics, Genetics of Disease, Metabolomics/Proteomics/Functional Genomics, Molecular Biology.

### Center for Environmental Farming Systems CEFS Summer Internship in Agriculture

**Note:** CEFS will not be hosting the Sustainable Agriculture Internship Program in 2016.

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They look forward to hosting the '*new and improved*' internship again in 2017.

**Subjects:** Agriculture

### Summer Undergraduate Research Program at Emory (SURE)

**Application Available:**

**Application Deadline:** February 1

**Notifications of Placement:** *Not listed for 2016; March for the 2015 program*

**Requirements:** Sophomores, juniors, and seniors are preferred.

**Subjects:** Science

### \*\*\*University of Arizona Minority Health Disparities (MHD)

**Application Available:**

**Application Deadline:** February 1

**Notifications of Placement:** Not listed

**Requirements:** Only Diverse students can apply. Applicants must have 75 semester units completed and at least a 3.0 GPA. Must have a major leading to a biomedical field.

**Subjects:** Biomedical

### A.T. Still University Summer Research Experience

**Application Available:** Rolling application acceptance

**Application Deadline:** November 15

**Notifications of Placement:** Not listed

**Requirements:** Must have strong interest in a career as a physician or allied health professional or a strong interest in a career that directly contributes to clinical research activities (i.e. computer technology, engineering, and psychology). Computer skills, community service/leadership experience, and communication skills required.

**Subjects:** Medical, computer technology, engineering, psychology. [ALSO LISTED UNDER VARIES]

### \*\*RiSE – Research in Science & Engineering at Rutgers

**Application Available:** December

**Application Deadline:** mid-February

**Notifications of Placement:** Not listed

**Requirements:** Students from an underrepresented group, a disadvantaged background, a first-generation college family, or a school with limited research opportunities are especially encouraged to apply.

**Subjects:** Science and Engineering; Cellular Bioengineering; Green Energy Technology; Pharmaceutical Science and Engineering; Physics & Astronomy

### \*\*University of Wisconsin-Madison (SROP)

**Application Available:** December

**Application Deadline:** February 15

**Notifications of Placement:** Not listed

**Requirements:** Diverse students are encouraged to apply.

**Subjects:** Varies

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**Purdue University, Department of Biochemistry – NSF REU: Molecular and Biochemical Analysis of Proteins**

**Application Available:** December

**Application Deadline:** mid-February

**Notifications of Placement:** Not listed

**Requirements:** Applicants must have completed four semesters of college study and have at least one semester of college remaining after the summer internship. Must have a GPA of 3.0 on a 4.0 scale.

**Subjects:** Chemistry, Biology, Biochemistry