

**BIOMEDICAL SUMMER RESEARCH OPPORTUNITIES FOR UNDERGRADUATE STUDENTS  
AND PREP PROGRAMS FOR POST-BACCALAUREATE**

(Compiled by EV Lopez, FIU MBRS Program, December 12, 2003)

**Albany Medical College**

Albany, NY

PREP: Addressing Health Disparities

(Post-Baccalaureate **R**esearch **E**ducation **P**rogram)

Craig S. Parker, PREP Admissions Coordinator

parkeracs@mail.amc.edu

518-262-0974

**Albert Einstein College of Medicine**

Bronx, NY

**Summer Undergraduate Research Program (SURP)**

[www.aecom.yu.edu/sggd](http://www.aecom.yu.edu/sggd)

Duration: 9 weeks

Fellowship dates: June 14, 2004-August 10, 2004

Application Deadline: online application may be completed beginning November 15<sup>th</sup> and application deadline is February 15, 2004; it is recommended you apply as early as possible.

Other info: Housing and stipend provided.

**Minority Students Summer Research Opportunity Program**

Office of Minority Student Affairs

Nilda Soto, Assistant Dean

(718) 430-3091

Duration: 8 1/2 weeks

Fellowship dates: summer

Application Deadline: March 1, 2004 (application available in OE 219 Jan. 2004)

Other info: Sophomore and Juniors; Black, Latino/Hispanic or Native American ethnic status; housing, fellowship stipend, and travel stipend provided.

### **American Society for Microbiology**

(Opportunities at Albert Einstein College of Medicine, Bronx, NY,

Tufts University School of Medicine, Boston, MA or other institutions.)

ASM Undergraduate Research Fellowship

<http://www.asm.org/Education/index.asp?bid=4319>

Duration:

Application Deadline: February 1, 2004

Other info: Joint application from both the student and faculty mentor.

<http://www.asm.org/Education/index.asp?bid=4322>

### **ASM Minority Undergraduate Research Fellowship Program (MURF)**

Duration: 8-12 weeks

Application Deadline: February 1, 2004

Other info: Minority status; freshman with college level research experience, sophomore, junior, or senior who will not graduate before the completion date of the summer program.

### **Baylor College of Medicine**

Houston, Texas

Summer Medical And Research Training Program (SMART)

<http://www.bcm.tmc.edu/smart>

Fellowship dates: June 1, 2004-July 30, 2004

Applications available: Nov. 1, 2003

Applications accepted: Dec. 1, 2003

Application Deadline: must be postmarked February 1, 2004

Other info: competitive compensation, housing at a reasonable cost.

### **Boston University School of Medicine**

Boston, Massachusetts

Summer Research Training Program sponsored by The National Heart, Lung and Blood Institute (NHLBI)

[www.bumc.bu.edu/oma](http://www.bumc.bu.edu/oma)

Duration: ten weeks

Application Deadline: February 29, 2004

Other info: Stipend, housing, and roundtrip transportation to and from Boston provided.

### **Boston University College of Engineering**

Boston, Massachusetts

#### **Research Experiences for Undergraduate (REU) in Biomedical Engineering**

<http://www.bu.edu/eng/reu/index.html>

REU dates: June -August 2004 (10 weeks)

Application Deadline: March 1, 2004 (applications will be available after January 1, 2004)

Other info: Current college sophomore or junior standing.

### **California State University, Los Angeles**

Los Angeles, California

Biomedical Post-baccalaureate Research Education Program (BIOMED PREP)

[www.calstatela.edu/moreprograms](http://www.calstatela.edu/moreprograms)

Application Deadline: April 30, 2004

## **Caltech**

Pasadena, California

MURF Fellowships Program

<http://www.murf.caltech.edu/>

Program Dates: June 14-August 20, 2004 (8 to 10 weeks)

Application Deadline: December 19, 2003

Other info: Stipend and housing allowance provided.

## **Center for Disease Control and Prevention (CDC)**

(Majority of positions in Atlanta, Georgia (a few in FT. Collins, Colorado and San Juan, Puerto Rico)

## **Summer Student Employment Program**

<https://www2.cdc.gov/careers/summerstart.htm>

Duration: 9 weeks

Fellowship dates: June

Application Deadline: January 31, 2004

Other info: student responsible for travel and housing, salary depend on duties and experience; students graduating in spring eligible to participate in the program

Note: Above information is based on 2003 program. 2004 program information will be available at above URL in early December 2003.

## **Information about other student/intern programs may be found at:**

<http://www.cdc.gov/hrmo/intern.htm>

## **Cold Spring Harbor Laboratory**

**Watson School of Biological Sciences**

Cold Spring Harbor, New York

## **Summer Undergraduate Research Program (URP)**

<http://www.cshl.org/URPsite?URP.html>

Program Dates: June 13-August 21, 2004

Application Deadline: February 1, 2004

Other info: Matriculated sophomore or junior with a strong academic background.

**Committee on Institutional Cooperation** (University of Chicago, University of Illinois at Chicago, University of Illinois at Urbana-Champaign, Indiana University, University of Iowa, University of Michigan, Michigan State University, University of Minnesota, Northwestern University, Ohio State University, Pennsylvania State University, Purdue University, University of Wisconsin-Madison, University of Wisconsin-Milwaukee)

### **Summer Research Opportunities Program (SROP)**

<http://www.cic.uiuc.edu/>

Duration: 8-10 weeks

Application Deadline: February 2, 2004 (apply online)

Other info: minority status; targeted at college sophomores or juniors but any undergraduate student can apply.

### **Cornell University**

Ithaca, NY

### **Cornell/Rockefeller/Sloan-Kettering Tri-Institutional Campus (4 programs\*)**

New York, New York

### **Advancing Cornell Career Experiences for Science Students (ACCESS)\***

<http://www.med.cornell.edu/education/minority.summer.programs/access.html>

Program Dates: June 14, 2004 to August 2, 2004.

Application Deadline: must be received by February 2, 2004

Other info: Under-represented minority college students; stipend, travel expenses, subsidized on campus housing is provided.

### **Sloan-Kettering Institute Summer Research Internship Program\***

<http://www.mskcc.org/mskcc/html/10150.cfm>

Program Duration: 10 weeks

Application Deadline: February 1, 2004

Other info: Freshmen, sophomores, or juniors who are contemplating a career in biomedically related sciences; stipend provided.

### **The Travelers Summer Research Fellowship Program for Premedical Minority Students\***

<http://www.med.cornell.edu/travelers/minor.pdf>

Program Dates: June 28, 2004-August 13, 2004

Application Deadline: March 2004

Other info: Underrepresented minority juniors who have completed first semester of the junior year and are interested in medical school.

### **Gateways to the Laboratory Summer Program\***

[www.med.cornell.edu/mdphd/summer.html](http://www.med.cornell.edu/mdphd/summer.html)

Application Deadline: February 1, 2004

Other info: Freshman and Sophomore underrepresented minority students who are contemplating pursuing a combined MD-PhD training.

### **Cornell Leadership Alliance Summer Research Program**

Cornell contact person: Pamela Davis, 607-255-8246

<http://www.theleadershipalliance.org/>

Program Duration: 9 weeks

Application Deadline: February 1, 2004

Other info: Students must have completed two but not more than seven semesters (students interested in law school, business school, or medical school/clinical medicine are not eligible). Stipend, round trip travel, and housing in a dormitory on campus provided.

### **REU Program in Observation Astronomy**

Contact Person: Elizabeth Humbert, [SEH35@CORNELL.EDU](mailto:SEH35@CORNELL.EDU) or 607-255-2710

<http://www.astro.cornell.edu/REU>

Application Deadline: February 2, 2004

### **Cornell Center for Materials Research**

Contact Person: Lynda Keister, [LMK3@cornell.edu](mailto:LMK3@cornell.edu) or 607-255-0633

[www.ccmr.cornell.edu/reu](http://www.ccmr.cornell.edu/reu)

Application Deadline: rolling (latest date: April 30, 2004)

Early Decision notification date: January 31, 2003

### **Cornell Hughes Scholars Summer Research Program**

Contact Person: Pamela Davis, [pd43@cornell.edu](mailto:pd43@cornell.edu) or 607-255-8246

<http://www.bio.cornell.edu/research/hughes.cfm>

Application Deadline: February 19, 2004

### **Engineering Summer REU Program**

Contact Person: Lisa Schneider, [life\\_eng@cornell.edu](mailto:life_eng@cornell.edu) or 607-255-9622

<http://www.engineering.cornell.edu/research/ugresearch>

Application Deadline: Check with program contact person

### **Food Science Summer Scholars Program**

Contact Person: Jeannette Robbins, jmr65 or 607-255-9622

<http://www.foodscience.cornell.edu/fsscholars.htm>

Application Deadline: February 13, 2004

### **HIV Education Project**

Contact Person: Jennifer Tiffany, [jst5@cornell.edu](mailto:jst5@cornell.edu) or 607-255-1942

<http://www.human.cornell.edu/pam/extensn/hivaid>s

Application Deadline: Follow up with program contact person before April 2004.

Field research on HIV projects may possibly include NYC/Mostly volunteer positions

### **Mathematical and Theoretical Biology Institute (MTBI) Summer Research Program for Undergraduates**

Contact Person: Dr. Carlos Castillo-Chavez, [cc32@cornell.edu](mailto:cc32@cornell.edu) or 607-255-0313

<http://www.bscb.cornell.edu/MTBI/>

Application Deadline: March 1, 2004

### **Research Experience for Undergraduates Program in Mathematics**

Contact Person: Robert Strichartz, [mathreu@cornell.edu](mailto:mathreu@cornell.edu) or 607-255-3509

<http://www.math.cornell.edu/Undergraduate/REU/REU.htm>

Application Deadline: TBA in early 2004

### **Nanobiotechnology Center Research Experience for Undergraduates (NBTC REU)**

Contact Person: Anna Waldron, [amw37@cornell.edu](mailto:amw37@cornell.edu) or 607 254-5371

[www.nbtc.cornell.edu/edu\\_undergrad.htm](http://www.nbtc.cornell.edu/edu_undergrad.htm)

Application Deadline: March 15, 2004

### **The National Nanofabrication Users Network Research Experience for Undergraduates Program**

Contact Person: Melanie-Claire Mallison, [malison@cnf.cornell.edu](mailto:malison@cnf.cornell.edu) or 607-255-2329

[www.cnf.cornell.edu/cnf/REUhomepage.html](http://www.cnf.cornell.edu/cnf/REUhomepage.html), application: <http://www.nnun.org/>

Application Deadline: February 27, 2004

### **NASA/NY Space Grant Summer Undergraduate Research Program**

Contact Person: Elizabeth Humbert, [SEH35@CORNELL.EDU](mailto:SEH35@CORNELL.EDU) or 607-255-2710

<http://astrosun.tn.cornell.edu/SpaceGrant/>

Application Deadline: February 2, 2004

### **Shoals Marine Laboratory in Maine**

Research Experiences for Undergraduate (REU) Fellowships

Contact Person: Laurie Johnson, [SHOALS-LAB@cornell.edu](mailto:SHOALS-LAB@cornell.edu) or 607-255-0743

<http://www.sml.cornell.edu/research/pr-uo.htm>

Application Deadline: Follow up with program contact person

### **Dartmouth**

Hanover, New Hampshire

#### **Summer Undergraduate Research Fellowship (SURF)**

#### **Molecular and Cellular Biology Program**

<http://www.dartmouth.edu/~surf/>

Duration: 10 weeks

Application Deadline: February 1, 2004

Other info: Participants receive stipend, housing, and travel.

### **Duke University**

Durham, North Carolina

#### **Summer Research Opportunity Program (SROP)**

[www.duke.edu/web/srop](http://www.duke.edu/web/srop)

Duration: 10 weeks

Application Deadline: February 13, 2004

Other info: Stipend, on-campus room, travel assistance and food allowance provided.

#### **Duke Post-baccalaureate Research Education Program (PREP)**

[www.gradschool.duke.edu/prep.htm](http://www.gradschool.duke.edu/prep.htm)

Application Deadline: Rolling admissions.

Other info: For underrepresented minorities who have completed their bachelors degree within last three years, US citizens or permanent residents, one or two years research experience, stipend provided.

### **Environmental Protection Agency**

<http://www.epa.gov/ncer/>

### **GRO Undergraduate Fellowship Program**

[http://es.epa.gov/ncer/rfa/current/2004\\_gro\\_undergrad\\_fellow.html](http://es.epa.gov/ncer/rfa/current/2004_gro_undergrad_fellow.html)

Funds for the last two years of an undergraduate program in environmental studies.

Application Deadline: January 6, 2004

Other info: Monthly stipend, expense allowance, and tuition and fees, at least “B” average, US citizens, permanent residents, and resident aliens with green cards may apply.

### **GRO Undergraduate Summer Internships**

Program Dates: Summer between first and second years of support in EPA’s

Undergraduate Fellowship Program.

Other info: Summer stipend and relocation allowance

### **Georgia Tech/Emory Center for the Engineering of Living Tissues**

Atlanta, Georgia

### **Summer 2004 Research Experience for Undergraduates (REU)**

<http://www.gtec.gatech.edu/>

Duration: 10 weeks

Program Dates: May 19, 2004-July 28, 2004

Application Deadline: February 9, 2004

Other info: Junior or Senior standing as of May 2004, majoring in engineering or the sciences; US citizen or permanent resident; stipend and housing in Georgia Tech dorms provided.

**Harvard Medical School (2 programs)**

Division of Medical Sciences

Boston, MA

**Summer Honors Undergraduate Research Program (SHURP)**

<http://www.hms.harvard.edu/dms/diversity/shurpintro.html>

Duration: 10 weeks

Fellowship Dates: June 6-August 14, 2004

Application Deadline: February 2, 2004

Other info: Stipend, housing at the medical school dormitory, travel to and from program provided; application available in OE 219.

**Four Directions Summer Research Program (FDSRP)**

<http://www.hms.harvard.edu/dms/diversity/fdsrpintro.html>

Duration: 8 weeks

Fellowship Dates: June 18-August 14, 2004

Application Deadline: February 16, 2004

Other info: Pre-medical or post-baccalaureate students with demonstrated commitment to Native American communities (students not taking the August MCAT during the program); application available in OE 219.

**Harvard School of Public Health**

Division of Biological Sciences

Boston, MA

**Undergraduate Internship Program for Minority Students**

<http://www.hsph.harvard.edu/sip/>

Summer following sophomore or junior years

Duration: 9 weeks

Program Dates: June 14-August 13, 2004

Application Deadline: February 13, 2004

Other info: US citizen or permanent resident; African-American, Mexican-American, Chicano, Native American, Pacific Islander, or Puerto Rican; stipend, travel allowance, and free dormitory housing provided.

### **Massachusetts General Hospital (teaching affiliate of Harvard Medical School)**

Boston, Massachusetts

#### **Summer Research Trainee Program**

<http://www.massgeneral.org/mao/srtp.html>

Duration: 8 weeks

Program Date: starting day of June 14, 2004

Application Deadline: March 1, 2004

Other info: Latino/Hispanic, African-American/Black, Native American, Native Hawaiian and Alaskan Natives students who have completed at least three years of college and/or first and second year medical students; US citizens or permanent residents.

### **Indiana University (2 programs)**

Bloomington, Indiana

#### **Research Experiences for Undergraduate (REU) in Molecular Biology and Genetics**

<http://www.bio.indiana.edu/undergrad/opportunities/mbgreu/index.html>

REU Internship dates: May 26-August 4, 2004

Application Deadline: February 6, 2004

Other info: Stipend, room and board in the Indiana University graduate dormitory, and travel expenses to and from the University provided.; US citizen or permanent resident.

#### **Undergraduate Summer Internships in Animal Behavior**

<http://www.indiana.edu/~animal/academics/reu.html>

REU Internship dates: May 24-July 31, 2004

Application Deadline: February 15, 2004 (students who submit by Feb. 2 will be given priority)

Other info: US citizen or permanent resident; stipend, room and meal plan, travel to and from the University.

**Johns Hopkins University**

Bloomberg School of Public Health  
School of Medicine  
Baltimore, MD

**Minority Summer Internship Program (MSIP)**

<http://www.hopkinsmedicine.org/graduateprograms/msip.cfm>

Students who have completed two or more years of college

Duration: 9-10 weeks

Application Deadline: February 1, 2004 (earlier submission is appreciated)

Other info: Minority students and other students from economically disadvantaged backgrounds; stipend and housing provided. Research opportunities available in three areas: Basic Science Institute, Bloomberg School of Public Health, Pulmonary and Critical Care Medicine. Applications available in OE 219.

**Hopkins Postbaccalaureate Research Education Program (HPREP)**

<http://www.hopkinsmedicine.org/graduateprograms/prep.cfm>

Other info: Two years typical commitment to work as technicians.

**Jefferson College of Graduate Studies**

**Thomas Jefferson University**

Philadelphia, Pennsylvania

**Summer Undergraduate Research Program**

<http://www.jefferson.edu/jcgs/home/index.cfm>

Contact: Jessie.pervall@jefferson.edu, 215-503-0155

Application Deadline: March 15, 2004 (applications in OE 219)

**The Leadership Alliance**

Providence, RI

(Brooklyn College, Brown University\*, Claflin University, Clark Atlanta University, Columbia University\*, Cornell University\*, Dartmouth College\*, Delaware State University, Harvard University\*, Howard University\*, Hunter College\*, Johns Hopkins University\*, Montana State University-Bozeman\*, Morehouse College, Morgan State University, New York University\*, Prairie View A&M University, Princeton University\*, Southern University at Baton Rouge, Spelman College, Stanford University\*, Tougaloo College, Tufts University\*, University of Colorado at Boulder\*, University of Maryland-Baltimore County\*, University of Miami\*, University of Pennsylvania\*, University of Puerto Rico\*, University of Texas at San Antonio, Xavier University of Louisiana, Yale University\*; \*schools currently offering SR-EIP)

### **Summer Research Early Identification Program (SR-EIP)**

<http://www.theleadershipalliance.org/>

Students must have completed at least 2 semesters and have at least one semester remaining of their undergraduate education by the start of the summer program

Duration: 8-10 weeks

Application Deadline: February 1, 2004

Other info: Principally for underserved and underrepresented students in the sciences, social sciences and humanities to consider research careers in the academic, public or private sectors. Applications and useful graduate application process guides available in OE 219.

### **MIT**

Cambridge, Massachusetts

### **MIT Summer Research Program in Biology (MSRP)**

<http://web.mit.edu/gso/recruitment>

Program Duration: 10 weeks

Program Dates: June 7 to August 12, 2004

Application Deadline: January 30, 2004 (Late applications will NOT be considered)

Contact person: Dr. Mandana Sassanfar, MIT Summer Research Program, 617-452-4371, mandana@MIT.EDU

Other info: Sophomore and junior science majors; min. 3.3 GPA; stipend, on-campus housing, and travel expenses will be provided; applications in OE 219.

### **Mayo Clinic**

Rochester, Minnesota

### **Summer Undergraduate Research Program**

[www.mayo.edu/mgs/surf.html](http://www.mayo.edu/mgs/surf.html)

Duration: 10 weeks

Application Deadline: February 1, 2004 (on-line application)

Other info: Sophomore or junior considering Ph.D. or M.D./Ph.D; stipend provided.

**Postbaccalaureate Research for Recent College Graduates**

<http://www.mayo.edu/mgs/imsd-post-bac.html>

Other info: Recent college graduates seeking one or two years of research experience before applying to Ph.D., M.D. or M.D.-Ph.D. programs.

**NASA**

**The Spaceflight and Life Sciences Training Program**

<http://weboflife.ksc.nasa.gov/learningResources/slstp.htm>

<http://slstp.nasa.gov/>

Duration: 6-week summer program at Kennedy Space Center

Program Dates: June 17, 2004 - July 26, 2004.

Application Deadline: January 31, 2004

Other info: Currently enrolled undergraduate college students pursuing hard science (e.g Agricultural Sciences, Biology, Computer Science, Biochemistry, Botany, Ecology, Bioengineering, Chemistry, Physics, Math, Plant Science, Pre-Med, Pre-Vet, Soil Science) or engineering major, US citizen or resident alien, 18 or older; round-trip transportation between home and Kennedy Space Center and meals allowance provided.

**NASA Academy 2004**

<http://www.nasa-academy.nasa.gov/>

Program Dates: June 6-August 13, 2004, NASA Academy at Goddard Space Flight Center; June 20-August 27, 2004, The Ames Academy

Application Deadline: January 31, 2004

Other info: Undergraduate and graduate students.

**The Marshall Space Flight Center Undergraduate Student Research Program**

<http://education.msfc.nasa.gov/docs/131.htm>

Duration: 10 weeks

Application Deadline: January 26, 2004

Other info: U.S. citizenship, classified as Junior or Senior after Spring 2004, enrolled full-time, academic major in mathematics/computer science, engineering, physical sciences, biological sciences, earth/atmospheric/ocean sciences.

### **NASA Undergraduate Student Research Program**

<http://education.msfc.nasa.gov/msfcusrp/>

Duration: 10 weeks

Application Deadline: January 26, 2004

Other info: U.S. citizenship, classified as Junior or Senior after Spring 2004, enrolled full-time, academic major in mathematics/computer science, engineering, physical sciences, biological sciences, earth/atmospheric/ocean sciences.

### **National Institutes of Health**

Bethesda, Maryland

#### **NIH Grants and Funding Opportunities**

<http://grants1.nih.gov/grants/index.cfm>

#### **NIH Research and Training Opportunities (Intramural)**

<http://www.training.nih.gov/>

#### **NIH Research Training Opportunities (Extramural Mechanisms)**

<http://grants1.nih.gov/training/extramural.htm>

#### **Student Programs (including summer)**

<http://www.training.nih.gov/student/index.asp>

**NIH Student Employment & Internship Programs** (links to 68 programs—not all apply to college, postbaccalaureate, and graduate students; some programs are listed below but refer to this URL for links to all programs.)

<http://www.jobs.nih.gov/studentprogramsNIH.pdf>

**U.S. Dept. of Health and Human Services Student Employment & Internship Programs List** (8 pages)

<http://www.jobs.nih.gov/hhsStudentEmploymentInternships.pdf>

**Summer Internship Program in Biomedical Research** (21 individual institutes and centers offer research opportunities—refer to following URL for links or website address.

<http://www.training.nih.gov/student/sip/catalog/index.asp>

To apply on line:

<http://www.training.nih.gov/onlineApps/SIP/application/SIPApp.asp>

**Biomedical Engineering Summer Internship Program (BESIP)**

<http://www.nih.gov/od/ors/dbeps/besip/index.htm>

Duration: 10 weeks

June 7-August 13, 2004

Application Deadline: February 18, 2004

Other info: Bioengineering undergraduate junior level students only; U.S. citizens or permanent residents.

**Undergraduate Scholarship Program**

<http://ugsp.info.nih.gov/>

Application Deadline: February 28, 2004 (for the 2004-2005 academic year)

**National Institute of Allergy and Infectious Diseases (NIAID)**

[www.niaid.nih.gov/dir/](http://www.niaid.nih.gov/dir/)

### **Summer Internships**

Duration: 10-12 weeks

Application Deadline: March 1, 2004

Apply online: <http://www.training.nih.gov/>

Other info: HS, college, graduate, and medical students.

### **Postbaccalaureate IRTA Fellowship Program**

<http://www.training.nih.gov/student/Pre-IRTA/previewpostbac.asp>

### **Predocctoral IRTA Fellowship Program**

<http://www.training.nih.gov/student/Pre-IRTA/previewpredoc.asp>

### **Technical IRTA Fellowship Program**

<http://www.training.nih.gov/student/Pre-IRTA/irtamanualtechnical.asp>

### **National Institute on Drug Abuse (NIDA)**

Baltimore, Maryland

[www.drugabuse.gov](http://www.drugabuse.gov)

### **Minority Recruitment & Training Program Summer 2004**

Contact: [dwilliam@intra.nida.nih.gov](mailto:dwilliam@intra.nida.nih.gov), 410-550-1562.

Duration: 8 weeks

Program Dates: Start June 7 or June 24, 2004

Application Deadline: March 1, 2004 (application in OE 219)

Other info: Student in underrepresented group enrolled in high school, college, graduate or medical school in good academic standing; U.S. citizen or permanent resident.

### **Summer Research with NIDA 2004**

Contact: Flair Lindsey, Program Analyst; National Institute on Drug Abuse, Special Populations Office, 6001 Executive Boulevard, Room 4216, MSC 9567, Bethesda, Maryland 20892-9567, 301-443-0441

Duration: 8-10 weeks

Other info: Applicants must be from underrepresented group; currently enrolled in high school or college, in good academic standing; citizens or permanent residents of the United States.

Application Deadline: March 15, 2004

### **National Institute of Environmental Health Sciences (NIEHS)**

Research Triangle Park, North Carolina

#### **Summers of Discovery Program**

<http://www.niehs.nih.gov/summers/>

Duration: 8 to 12 weeks (during May through September)

Application Deadline: March 1, 2004

Other info: U.S. citizen or permanent resident, enrolled in high school, college, graduate or professional school—if a graduating senior, must be enrolled in upcoming fall semester at next higher level of education; stipend provided.

### **National Heart, Lung and Blood Institute (NHLBI)**

Bethesda, MD

<http://www.training.nih.gov/student/sip/catalog/nhlbi.asp>

Apply on-line, early submission encouraged—if your application is on file, you may be considered for other NIH programs

MARC and non-MARC students

Duration: 10 weeks

Application Deadline: March 1, 2003

Application online at: <http://www.training.nih.gov/onlineApps/SIP/application/SIPApp.asp>

### **Biomedical Research Training Program for Underrepresented Minorities**

**NHLBI**

<http://webapp.nhlbi.nih.gov/brtpum/>

Duration: Summer, winter breaks, or academic year

Applications Due: October 1-December 31, 2003

Underrepresented minority undergraduates, post baccalaureate individuals, and graduate students; min. GPA 3.3, U.S. citizens or permanent residents; stipend provided.

### **NIH Graduate Partnerships Program**

<http://gpp.nih.gov/>

University Partnership Programs for Prospective Ph.D. Graduate Students links are at:

<http://gpp.nih.gov/programs/prospective/index.html>

National University Partnerships / Application Deadlines

[Bioinformatics - Boston University](#) Jan. 15, 2004

[Biological Sciences - Johns Hopkins University](#) Dec. 15, 2003

[Biomedical Sciences - Georgetown University](#) Jan. 2, 2004

[Biophysics - University of Maryland, College Park partnership](#) Feb. 1, 2004

[Cell Motility & Cytoskeleton - University of North Carolina at Chapel Hill](#) Jan. 1, 2004

[Comparative Molecular Pathology Graduate Programs - NCSU/MSU/UIUC/UMD](#)

[Genetics - George Washington University](#) Jan. 3, 2004

[Hearing and Communication Science - University of Maryland, College Park partnership](#) Feb. 1, 2004

[Immunology - University of Pennsylvania](#) Dec. 15, 2003

[Structural Biology - New York University](#) Jan. 4, 2004

### **International University Partnerships**

[Biomedical and Biological Sciences - Oxford University \(Oxford, England\)](#) Jan. 15, 2004

[Health Science Scholars Program - University of Cambridge \(Cambridge, England\)](#) Jan. 15, 2004

[Neuroscience - Karolinska Institute \(Stockholm, Sweden\)](#) Jan. 15, 2004

Other info: U.S. citizens or U.S. permanent residents with an undergraduate degree planning to pursue Ph.D.; programs are separated into two groups, depending on the location of the university: National University Partnerships and International University Partnerships; students submitting an application for Fall 2004

admission may select up to three (3) National University Partnerships and two (2) International University Partnerships.

### **National Cancer Institute**

<http://ttb.nci.nih.gov/crta1.html>

### **The Cancer Training Award (CRTA)**

Application Deadline: Application deadline passed (November 14, 2003).

Other info: Open to undergraduate students, bachelor degree holders, graduate students, graduate degree holders, and doctorate degree candidates; stipend range is commensurate with level of education and experience. U.S. citizenship or permanent residency (green card) required.

### **National Institute on Deafness and Other Communication Disorders (NIDCD)**

Bethesda, MD

<http://www.nidcd.nih.gov/research/training/student/studenttraining.asp>

Partnership Student Training Program

Kay Johnson Graham 301-402-6415

Duration: summer or year-long

Internship Duration: Summer or yearlong

Application Deadline: February 28, 2004

Other info: U.S. citizen or permanent resident, min. GPA 3.3; undergraduates or graduates, roundtrip to/from Maryland, housing allowance and stipend provided; apply on line at:

<http://www.nidcd.nih.gov/research/training/student/Application.pdf>

### **National Institute of Biomedical Imaging and Bioengineering (NIBIB)**

<http://bbsi.eeicom.com/> (with links to nine universities listed below. See their websites for application information.)

[Southern California Bioinformatics Summer Institute](#)

California State University at Los Angeles

[NIH-NSF Bioengineering and Bioinformatics Summer Institute in Biomaterials Science and Engineering](#)

Clemson University

[NIH-NSF BBSI Summer Institute in Bioinformatics and Computational Biology](#)

Iowa State University  
[Biomedical Optics Summer Institute](#)  
Massachusetts Institute of Technology

Program Date June 16-August 13, 2004

Application Due: January 15, 2004-March 1, 2004

[Bioinformatics Summer Institute](#)  
University of Minnesota  
Program Dates: June 7-August 13, 2004

Application Deadline: February 28, 2004

[BioMEMS Summer Bioengineering Institute](#)  
New Jersey Institute of Technology  
[Biomaterials and Bionanotechnology Summer Institute](#)  
Penn State University  
[Bioengineering and Bioinformatics Summer Institute in Computational Biology](#)  
University of Pittsburgh (lead)  
[VCU Bioinformatics and Bioengineering Summer Institute](#)  
Virginia Commonwealth University

Program Dates: June 6-August 13, 2004

Application Deadline: February 27, 2004

### **National Institute of Neurological Disorders and Stroke (NINDS)**

<http://www.ninds.nih.gov/>

Summer Program in the Neurological Sciences

<http://summer.ninds.nih.gov/>

Application Deadline: March 1, 2004

Apply online at: <http://www.training.nih.gov/student/index.asp>

Other info: U.S. citizen or permanent resident; stipend provided.

### **National Human Genome Research Institute**

Genome Funding and Training Opportunities

[www.genome.gov/Careers](http://www.genome.gov/Careers)

## **Summer Internship Programs**

<http://www.training.nih.gov/onlineApps/sip/application/sipapp.asp>

Summer Internship Program

(Additional info in OE 219.)

## **Predoctoral IRTA Fellowship Program**

<http://www.training.nih.gov/student/Pre-IRTA/previewpredoc.asp>

## **National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)**

<http://www.niddk.nih.gov/>

## **Summer Internship Programs**

<http://www.training.nih.gov/onlineApps/sip/application/sipapp.asp>

## **Summer Research Fellowship Programs**

<http://www.training.nih.gov/onlineapps/SRFP/application/srfpapp.asp>

Application Deadline: March 1, 2004 (early application is encouraged; email Winnie Martinez, Program Analyst, (MartinezW@extra.niddk.nih.gov) to let her know you submitted your application. If you are a MARC student, email Ms. Martinez to request a separate application.)

## **National Institute of Mental Health**

<http://www.nimh.nih.gov/>

## **Postbaccalaureate Intramural Research Training Awards**

<http://www.training.nih.gov/student/Pre-IRTA/previewpostbac.asp?AppType=Postbac>

## **Summer Internship Program in Biomedical Research (SIPBR)**

Open to high school, college, and graduate students.

<http://www.training.nih.gov/onlineApps/SIP/application/SIPApp.asp>

## **Summer Research Fellowship Program (SRFP)**

<http://www.training.nih.gov/student/srfp/index.asp>

Open to medical students.

## **National Institute on Aging (NIA)**

<http://www.grc.nia.nih.gov/offices.htm>

## **NIA Summer Research Opportunities**

(Summer Internship Program in Biomedical Research, Summer Research Fellowship Program, MARC Summer Research Training Program)

<http://www.grc.nia.nih.gov/students/summeropps.htm>

## **National Institute of General Medical Sciences (NIGMS)**

<http://www.nigms.nih.gov/>

## **Table of Research and Training Opportunities by Career Stage**

<http://www.nigms.nih.gov/minority/programs.html>

## **Other NIH sites of interest:**

### **Postbaccalaureate IRTA Fellowship Program**

<http://www.training.nih.gov/student/Pre-IRTA/previewpostbac.asp>

### **NIH Academy Fellowship Program**

<http://www.training.nih.gov/student/Pre-IRTA/irtamanualpostbacAcademy.asp>

### **Predocctoral IRTA Fellowship Program**

<http://www.training.nih.gov/student/Pre-IRTA/previewpredoc.asp>

### **Technical IRTA Fellowship Program**

<http://www.training.nih.gov/student/Pre-IRTA/irtamanualtechnical.asp>

**Ruth L. Kirschstein National Research Service Award Individual Fellowships**

<http://grants1.nih.gov/training/nrsa.htm#inst>

**NIH Research Supplements for Underrepresented Minorities**

Program Announcement Number: PA-01-079

<http://grants.nih.gov/grants/guide/pa-files/PA-01-079.html>

**NIH Predoctoral Fellowship Awards for Minority Students**

Program Announcement Number: PA-00-069

<http://grants2.nih.gov/grants/guide/pa-files/PA-00-069.html>

**NIH Loan Repayment Program**

<http://www.lrp.nih.gov/>

**National Science Foundation Research Experiences for Undergraduates (REU) Program**

See URL below for REU sites:

<http://www.nsf.gov/home/crssprgm/reu/start.htm>

**New York University School of Medicine**

**The Sackler Institute of Graduate Biomedical Sciences**

New York, NY

**Summer Undergraduate Research Program in the Biomedical Sciences**

<http://www.med.nyu.edu/Sackler/>

Program dates: June 7-August 2, 2004

Application Deadline: February 2, 2004

(Applications and supporting documents should be sent to NYU Summer Undergraduate Research Program Office. Applications available online and in OE 219.)

Other info: Students who have completed their sophomore or junior year;

stipend, round trip travel, and accommodations in University Housing provided; download application or available in OE 219.

### **2004 Leadership Alliance Summer Research Program in the humanities and social sciences at NYU**

<http://www.nyu.edu/gsas/OASL/LeadershipAlliance.html>

Application Deadline: February 1, 2004

(Apply directly to the Graduate School of Arts and Science Summer Research Program at NYU or students may also apply to the NYU program, along with affiliated summer programs, through the central Leadership Alliance office at Brown University <http://www.theleadershipalliance.org/>.)

Other info: Travel to and from New York and housing on Washington Square or Union Square are paid for, and stipend is provided.

### **Northwestern University (5 programs)**

**Evanston, Illinois**

#### **Summer Research Programs in the Life Sciences and Engineering**

<http://www.northwestern.edu/graduate/minority/masummerresearch.html>

#### **The Robert H. Lurie Comprehensive Cancer Center (RHLCCC)**

Contact: Dr. Robin Leikin, 312-908-9229 or [rleikin@northwestern.edu](mailto:rleikin@northwestern.edu)

Other info: High school and college freshmen, sophomores, and juniors from underserved minority populations.

#### **Northwestern Drug Discovery Program (NDDP)**

Duration: 8-10 weeks

<http://ddp.northwestern.edu/>

Contact: Dr. Linda Van Eldick, 312-503-0697 or [vaneldik@northwestern.edu](mailto:vaneldik@northwestern.edu)

Other info: High school, undergraduate and medical school students.

**Northwestern University Institute for Neuroscience (NUIN)**

<http://www.northwestern.edu/nuin>

Dr. Robert Harper-Mangels, 312-503-4300 or r-mangels@northwestern.edu

Duration: 8-10 weeks

Other info: College sophomore and juniors

**NSF-Research Experience for Undergraduates (REU) and NSF-Materials Research Internships for Minority Undergraduates (MRI)**

<http://mrcemis.ms.northwestern.edu/>

Contact: Rosalie Kobayashi, r-kobayashi@northwestern.edu or 847-491-3606

Duration: 9 weeks

Program Dates: Start mid-June

Other info: Students majoring in materials science, physics, chemistry, or engineering; college sophomores, juniors, and seniors. MRI portion limited to underrepresented minorities; REU is open to all students.

**Summer Research Opportunity Program (SROP)**

[www.northwestern.edu/graduate/minority/masrop.html](http://www.northwestern.edu/graduate/minority/masrop.html)

Contact: Martin Arteaga, 847-491-8505 or martin-arteaga@northwestern.edu

Program Dates: June 21-August 12, 2004

Application Deadline: January 30, 2004 (application is available online)

Other info: Underrepresented minority sophomores and juniors majoring in the social sciences, humanities, communications, biological sciences, physical sciences, and engineering;

**Oak Ridge Institute for Science and Education Home page**

<http://www.ornl.gov/orise/educ.htm>

## **Summer Appointments**

<http://www.orau.gov/orise/edu/uggrad/ugdduration.htm#summer>

## **The Pennsylvania State University (Penn State)-3 programs**

University Park, PA

[www.gradsch.psu.edu/equity](http://www.gradsch.psu.edu/equity)

### **Summer Research Opportunities Program (SROP)**

<http://www.cic.uiuc.edu/programs/SROP/>

Duration: 8-10 weeks

Application Deadline: February 2, 2004 (apply online)

Other info: Underrepresented minority students, including African American, Mexican American, American Indian, Puerto Rican, and other Latino groups, who are sophomores or juniors majoring in any field.

### **“Slice of Science” 2004 Summer Undergraduate Research Program in the Life Sciences**

<http://www.hils.psu.edu/ann-ung00.html>

Students in math, computer science, physics, pharmacy and engineering as well as any of the life sciences majors are encouraged to apply; must have completed their sophomore or junior year; receive stipend but students pay their own room and board.

Duration: 10 weeks

Program Dates: June 1-August 7, 2004

Application Deadline: February 15, 2004

### **Minority Access to Research Careers (MARC) Summer Research Internship Program**

Contact: Ms. Joyce Hopson-King, Director, 814-863-1291;juh4@psu.edu

Duration: 8 weeks

Other info: Undergraduate and a participant in a scholars program (i.e., COR, MARC, McNair or other scholars programs) are eligible; will work with Health and Human Development faculty; room and board and stipend provided.

## **Princeton University**

Princeton, NJ

## **Summer Undergraduate Research Program in the Department of Molecular Biology**

[http://www.molbio.princeton.edu/undergrad\\_summer.php?PHPSESSID=a6946bfd7f5ea775c362193d6a8da860](http://www.molbio.princeton.edu/undergrad_summer.php?PHPSESSID=a6946bfd7f5ea775c362193d6a8da860)

Program Dates: June 14 to August 13, 2004

Application Deadline: February 6, 2004

Other info: Priority given to science majors who are about to enter their senior year; stipend is provided.

### **Research Experience for Undergraduates**

<http://www.princeton.edu/~pmi/researchexperience.htm#reuapplications>

Program Dates: June 7-August 6, 2004

Application Deadline: March 1, 2004

Other info: Science and engineering disciplines; stipend is provided.

### **Molecular Biophysics Program**

<http://www.princeton.edu/~chemdept/mbp/sumprog.html>

Duration: 9 weeks

Application Deadline: February 15, 2004

Other info: Sophomores who complete a summer at Princeton become eligible for a competitive subsequent summer research abroad opportunity, funded by the program.

## **Rice University**

Houston, Texas

### **Summer 2004 Undergraduate Internship Opportunities**

#### **NSF IGERT in Cellular Engineering**

<http://www.igert.rice.edu/>

Duration: 10 weeks

Application Deadline: February 27, 2004.

Other info: Applicants must be U.S. citizens or permanent residents; stipend is provided, housing costs in Rice's graduate apartment facility are supplemented, travel to and from Houston is provided (if needed).

## **The Rockefeller University**

New York, NY

### **Summer Undergraduate Research Fellowship (SURF) Program**

<http://www.rockefeller.edu/surf/>

Program Dates: June 7 to August 13, 2004

Application Deadline: February 2, 2004

Other info: Sophomores and Juniors, chemistry or biology majors; stipend and free on-campus housing will be provided.

## **Rutgers/UMDNJ**

New Brunswick, NJ

### **RISE at Rutgers**

<http://rise.rutgers.edu/>

Duration: 8 or 10 weeks

Program Dates: June 7 to July 30, 2004 or June 7 to August 13, 2004

Application Deadline: February 1, 2004

Other info: Stipend and free campus housing are provided.

## **San Diego State University**

San Diego, California

### **Post-Baccalaureate Biomedical Research Education Program for Underrepresented Minorities**

<http://www.sci.sdsu.edu/orsp/prep/>

Duration: 6 months to 2 years

Other info: U.S. citizens or permanent residents; students who have attained a bachelor's degree within the last 3 years, or seniors about to graduate.

## **Texas A&M University**

College Station, Texas

<http://biochemistry.tamu.edu/>

### **National Science Foundation Research Experiences for Undergraduates**

Program Dates: June 1 – August 6, 2004

Program Duration: 10 weeks

Application Deadline: February 15, 2004

Other info: stipend and travel allowance provided; pre-baccalaureate undergraduates majoring in biochemistry, chemistry, genetics, biology, or any life science..

**Tufts University**  
**Sackler School of Graduate Biomedical Sciences**  
Boston, MA

### **Summer Research Program for Undergraduate Minority Students**

<http://www.tufts.edu/sackler/programs/summer.html>

Duration: 10 weeks

Program Start Date: first week in June

Application Deadline: February 15, 2004

Other info: The program pays for all transportation costs to and from Boston. It also covers housing and provides a living stipend.

### **Post-Baccalaureate Research Education Program (PREP) for Minority Students in Science**

<http://www.tufts.edu/sackler/programs/postbac.html>

Contact Person: Diana Pierce, [Diana.pierce@tufts.edu](mailto:Diana.pierce@tufts.edu), 617-636-6836

Application Deadline: May 15 of each year.

### **The University of Arizona (2 programs)**

Tucson, AZ

### **Minority Health Disparities Summer Research Opportunities**

[http://grad.arizona.edu/multi/imp\\_index.html](http://grad.arizona.edu/multi/imp_index.html)

Program Dates: June through August 2004 (10 weeks)

Application Deadline: February 1, 2004

Other info: American Indian/Alaska Native, African American, Hispanic/Lation, or Native Hawaiian/Other Pacific Islander descent; US citizens or permanent residents; major in fields leading to biomedical careers; students need a minimum of 75 semester units completed; stipend and round-trip airfare provided.

### **Research Experiences for Undergraduates in Molecular Biosciences for Visiting Students**

<http://www.blc.arizona.edu/ubrp/applynonua.html>

Program Dates: May 16 to August 6, 2004

Application Deadline: February 1, 2004

Other info: Citizen or permanent resident of the United States; wages, round-trip transportation, room and board allowance.

### **University of California, Berkeley**

Berkeley, California

<http://www.grad.berkeley.edu/gop/srop.shtml>

### **Summer Research Opportunity Program**

Program Dates: June 6-August 7, 2004

Application Deadline: February 1, 2004

Other info: Citizens or permanent residents of the United States; college sophomores, juniors and seniors (who will not graduate in the spring); stipend, room and board (double occupancy), and travel costs provided.

### **Graduate Fellowship Deadlines 2003-2004**

[www.grad.berkeley.edu/fellowships/fellowships\\_deadlines.shtml](http://www.grad.berkeley.edu/fellowships/fellowships_deadlines.shtml)

### **University of California, Irvine**

Irvine, California

### **Summer Undergraduate Research Fellowship**

<http://www.rgs.uci.edu/grad/diversity/surf.htm>

Duration: 8 weeks

Application Deadline: February 11, 2004

Other info: Full-time enrolled sophomore, junior, or senior; U.S. citizen or permanent resident; stipend, on-campus housing, and roundtrip travel (up to \$400) provided.

### **University of California, Los Angeles**

Los Angeles, California

<http://www.care.ucla.edu/>

**UCLA Science, Engineering, and Mathematics Summer Program for Undergraduate Research**

[http://www.care.ucla.edu/html/ucla\\_spur.html](http://www.care.ucla.edu/html/ucla_spur.html)

Program Dates: June 28-August 20, 2004 (8 weeks) or June 28-September 3, 2004 (10 weeks)

Application Deadline: February 20, 2004

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

**Undergraduate Research Internship (URI) Summer Program**

<http://www.care.ucla.edu/html/uri.html>

Duration: 8 or 10 weeks

Other info: U.S. citizens or permanent residents entering their junior or senior year; stipend provided and on campus housing with meals included.

**University of California, Riverside**

Riverside, California

**Mentoring Summer Research Internship Program**

<http://www.graddiv.ucr.edu/MSRIP.html>

Program Dates: June 21 to August 13, 2004 (8 weeks)

Application Deadline: February 16, 2004

Other info: U.S. citizen or permanent resident, junior or senior (seniors enrolling fall 2004); stipend, room and board, and out-of-state transportation provided.

**University of California, San Diego**

San Diego, California

<http://ogsr.ucsd.edu/stars>

**Summer Training Academy for Research in the Sciences (STARS)**

Program Dates: June 19-August 14, 2004

Application Deadline: February 27, 2004

Other info: African-American, American Indian, Filipino/a, Latino/a, Mexican American, Native Pacific Islander, Puerto Rican; U.S. Citizens, Nationals or Permanent Residents; University sophomore, junior, senior, recent graduates and masters students in the sciences (physical, life, behavioral, marine and ocean), engineering; GPA 3.3+; domestic travel, on-campus housing, and stipend are provided.

### **Post-Baccalaureate Biomedical Research Education Program for Underrepresented Minorities**

<http://www.sci.sdsu.edu/orsp/prep/>

Duration: 6 months to 2 years

Other info: U.S. citizens or permanent residents; students who have attained a bachelor's degree within the last 3 years, or seniors about to graduate.

### **University of California, San Francisco**

<http://saawww.ucsf.edu/srtp>

Program Dates: May 29-August 2, 2004

Application Deadline: February 1, 2004

Other info: US Citizen or Permanent Resident; students who will have completed at least 4 semesters of undergraduate study prior to the beginning of the SRTP, Master's students are also encouraged to apply; stipend and housing provided (double room in dormitory-style facility); travel funding may be available.

### **University of California, Santa Cruz**

Santa Cruz, California

<http://chemistry.ucsc.edu/Projects/SURF/>

### **Summer Undergraduate Research Fellowship**

Program dates: June 21-August 27, 2004 (10 weeks)

Application Deadline: February 15, 2003

Other info: Junior-level chemistry and biochemistry students, not have graduated as a senior; stipend and housing provided.

Application Deadline: February 15, 2004

### **NSF REU Program in Organic Chemistry in Bangkok, Thailand**

<http://chemistry.ucsc.edu/ThaiREU/>

Program Dates: June 7-August 13, 2004

Application Deadline: February 1, 2004

Junior or senior in chemistry; must be U.S. citizen or permanent resident; stipend, plus airfare and on-campus housing at Chulaongkorn University.

### **University of Chicago (6 programs)**

Chicago, Illinois

#### **Biological Science Division (BSD) Summer Research Training Program**

<http://gradprogram.bsd.uchicago.edu/>

Program Dates: June 14 to August 13, 2004

Application Deadline: February 15, 2004

Other info: Students in the sophomore or junior year; stipend and housing are provided.

#### **Biochemistry & Molecular Biology (BMB) Undergraduate Summer Research Internship**

<http://bmb.bsd.uchicago.edu/>

Duration: 10 weeks

Program Dates: mid-June to mid-August

Contact: Lisa Thompson, [lthompso@cummings.uchicago.edu](mailto:lthompso@cummings.uchicago.edu), 773-834-3586

Other info: Stipend will be provided.

#### **Summer Research Opportunities Program**

<http://omsa.uchicago.edu/srop/#app>

Duration: 9 weeks

Program Start Date: mid-June

Application Deadline: February 20, 2004

Other info: African American, Latino, Mexican/American/Chicano, Puerto Rican, or Native American; U.S. Citizens at the time of application; stipend and housing provided.

## **Ronald E. McNair Scholars Program**

<http://omsa.uchicago.edu/srop/#app>

Contact: Allen J. Bryson, Director of SROP, [ajbryson@uchicago.edu](mailto:ajbryson@uchicago.edu), 773-834-4797

Program Dates: June 21 through August 14, 2004

Other info: Students from minority groups, from a family with no previous college graduates & whose family income is at or below the Federal income guidelines.

## **Howard Hughes Research Fellowships**

<http://bscd.bsd.uchicago.edu/hhmiHughes.html>

Duration: 10 weeks

Program Dates: June 14 through August 20, 2004

Application Deadline: April 1, 2004

Other info: Undergraduates (graduating seniors are not eligible); stipend is provided.

## **Pritzker School of Medicine**

### **Summer Medical Education Program**

<http://pritzker.bsd.uchicago.edu/>

## **University of Colorado at Boulder**

Boulder, Colorado

### **Summer Multicultural Access to Research Training (SMART) program**

[www.Colorado.edu/graduateschool/SMART/SMARTWebsite/index.html](http://www.Colorado.edu/graduateschool/SMART/SMARTWebsite/index.html)

Duration: 10 weeks

Program Dates: June 1-August 6, 2004

Application Deadline: February 17, 2004

Other info: Citizens or permanent residents of the United States; African-American, Hispanic/Latino, American Indian/Alaska Native) or first generation college students who are economically disadvantaged according to the federal guidelines; have completed 60 semester credit hours by June 2004; not have received a bachelor's degree or plan to receive one before December 2004; stipend, transportation to and from Boulder, Colorado, and room and board will be provided.

### **Graduate Experiences for Multicultural Students (GEMS) Summer Research Internship**

Duration: 9 weeks

Program Dates: June 7 through August 6, 2004

Application Deadline: March 1, 2004

Other info: first generation college attendee, low income/financial need, or thnic identity as African American, Hispanic, American Indian/Alaska Native, or Southeast Asian/Pacific Islander). Applicants must have completed at least one year of college by June 2004. Seniors and international students (with student visas) are not eligible for this program; stipend and round-trip transportation to and from Denver.

### **Other Summer Research Opportunities for Undergraduates at CU-Boulder**

[http://www.colorado.edu/graduateschool/SMART/SMARTWebsite/other\\_opportunities.html](http://www.colorado.edu/graduateschool/SMART/SMARTWebsite/other_opportunities.html)

### **University of Florida**

Gainesville, FL

<http://www.med.ufl.edu/oma/>

### **NIH Short-Term Research Training for Minority Students**

Program Dates: June 7-July 30, 2004

Application Deadline: January 15, 2004 (application online at above URL, see under OMA Enrichment Programs section)

Other info: Minority status (African-American, Native American, American Indians, Alaskan Natives, Native Hawaiians, Mexican-American/Chicano, Mainland Puerto Rican); stipend, travel, housing allowance provided.

### **University of Illinois at Urbana-Champaign**

Urbana-Champaign, Illinois

<http://www.grad.uiuc.edu/>

## **Summer Research Opportunities Program**

<http://www.cic.uiuc.edu/>

Duration: 9 weeks

Application Deadline: February 2, 2004 (apply online)

Other info: Sophomores, juniors and seniors who will not graduate within a semester after the end of the SROP summer session; underrepresented students include, but are not limited to, African Americans, Mexican Americans, Native Americans, and Puerto Ricans; stipend.

## **University of Iowa**

Iowa City, Iowa

<http://www.medicine.uiowa.edu/mstp/sumr/index.html>

Summer Undergraduate MSTP (Medical Scientist Training Program) Research Program

Students who have completed sophomore or junior year by June 2003

Program dates: June 7-July 30, 2004

Application Deadline: February 2, 2004

Other info: Citizen or permanent resident of the United States; sophomore or junior, major in a biological or physical science; stipend, lodging in University housing facility, travel allowance provided.

## **University of Maryland**

Baltimore, Maryland

Summer research programs for undergraduate, medical, and graduate students.

<http://medschool.umaryland.edu/OSR>

Links to other research programs (didn't verify info is updated but list is worth reviewing).

<http://medschool.umaryland.edu/OSR/otherprograms.asp>

## **University of Massachusetts**

Amherst, MA

## **Northeast Alliance for Graduate Education and the Professoriate Summer Program for Undergraduate Research**

<http://www.umass.edu/gradschool/AGEP/>

Other info: US citizen or permanent resident; African American, Native American, or Hispanic; undergraduate or recent graduate, majoring or minoring in a science, math, or engineering discipline; pm-campus, double occupancy housing, meals, and round-trip travel reimbursement (up to \$500) and stipend provided.

## **University of Michigan, Horace H. Rackham School of Graduate Studies**

Ann Arbor, Michigan

<http://www.rackham.umich.edu/Fellowships/srop.html>

### **Summer Research Opportunity Program (SROP)**

Program Dates: June 1-July 30, 2004 (8 weeks)

Application Deadline: February 28, 2004

Other info: Students from groups historically underrepresented in the humanities, arts, social sciences, engineering and physical or natural sciences are eligible; U.S. citizens or permanent residents, not graduating before December 2004; stipend, University housing, and round-trip travel expenses provided.

## **University of Minnesota**

St. Paul, MN

[www.grad.umn.edu/oeo/research](http://www.grad.umn.edu/oeo/research)

**Summer Programs / Application Deadline**

Bioinformatics Summer Institute/Feb. 28, 2004

Biomedical Engineering Summer Research Program

Chemistry Summer Undergraduate Research Program/Feb. 16, 2004

Computational Neuroscience Undergraduate Research Program

Electrical and Computer Engineering Undergraduate Research Program/Feb.13, 2004

Life Sciences Summer Undergraduate Research Programs (5 programs/ Feb. 13, 2004; applications in OE 219)

Material Research Science and Engineering Center Summer Research Programs (MRSEC)

McNair Summer Research Program Mechanical Engineering - Summer Research Experiences for Undergraduates (REU)

Multicultural Summer Research Opportunities Program (MSROP)/Feb. 13, 2004

National Center for Earth -- surface Dynamics

Physics and Astronomy - Summer Research Experiences for Undergraduate/Feb. 13, 2004

Psychology - Behavioral Sciences Undergraduate Summer Research Program/Feb. 6, 2004

### **University of Nebraska Medical Center**

Omaha, Nebraska

#### **Summer Research Program**

Contact: Mary McNamee, R.N., Ph.D., Associate Director for Student Recruitment

405-559-3928 or email: mcnamee@unmc.edu

Program Dates:

Two summer commitment: Summer 2004, 10-12 weeks; Summer 2005, 10-12 weeks

Application Deadline: January 15, 2004

Other info: Member of an underrepresented minority group (African-American, Native American, Hispanic); completion of college sophomore level courses including organic chemistry; cumulative GPA of 3.5 or greater in the sciences; stipend, housing, and round-trip transportation provided.

#### **Summer Undergraduate Research Program**

Contact: Sonja Cox, 402-559-8242, sacox@unmc.edu

Duration: ten weeks

Program Start Date: June

Application deadlines vary by participating departments (14 basic science and clinical departments) from February 1 to March 31, 2004. Application and a list of participating departments available in OE 219.

### **University of North Carolina at Chapel Hill**

Chapel Hill, North Carolina

Summer Pre-Graduate Research Experience (SPGRE) Program

[www.ibiblio.org/res](http://www.ibiblio.org/res)

Duration: 10 weeks

Program Dates: May 23 to July 30, 2004

Application Deadline: February 7, 2004 (applications available in OE 219)

Other info: Student from underrepresented groups particularly those from African American, Native American, Mexican American, and Puerto Rican populations; sophomores, juniors, seniors who will not have graduated before or during the period SPGRE is conducted; stipend, food allowance, housing and reimbursement for travel (up to \$400).

### **Carolina Summer Fellowship Program**

<http://www.med.unc.edu/pharm/csfp.htm>

### **University of Pennsylvania**

Philadelphia, PA

<http://www.med.upenn.edu/bgs>

### **Summer Undergraduate Internship Program**

Duration: 10 weeks

Program Start Date: in June

Application Deadline: February 1, 2004 (<http://www.med.upenn.edu/bgs/intern/index.html>)

or apply through Leadership Alliance (<http://www.theleadershipalliance.org/>)

Other info: U.S. citizens and permanent residents only.

### **University of Pennsylvania Minority International Research Training Program**

<http://www.med.upenn.edu/mirt>

Duration: 8-12 weeks

Application Deadline: December 17, 2003 (application online)

Other info: Current research sites are located in France, Scotland, Belgium, Japan, Ghana; stipend, room, board and travel provided.

### **Penn Post-Baccalaureate Research Education Program**

<http://www.med.upenn.edu/prep/>

Duration: Two-year research experience.

Program Start Date: June 30, 2004

Application Deadline: Applications will be accepted between December 15, 2003 and April 1, 2004.

U.S. citizens or permanent residents may apply; have a degree in a biomedically-relevant field and have graduated no more than 36 months prior to the start of the program.

Stipend and a standard package of benefits, including health insurance, provided.

### **University of Pittsburgh School of Medicine**

Pittsburgh, Pennsylvania

#### **Summer Premedical Academic Enrichment Program**

<http://www.medschool.pitt.edu/>

<http://www.medschool.pitt.edu/pdfs/SUMMRAPP01-02.pdf>

Application Deadline: March 1, 2004

### **University of Rochester**

Rochester, New York

<http://www.urmc.rochester.edu/gebs/summer-list.htm>

#### **Summer Undergraduate Research Programs/Application Deadline**

GEBS Summer Scholars Program/March 1, 2004

REU Site in Cellular and Molecular Biology/March 1, 2004

NSF Summer Research: Department of Chemistry/March 1, 2004

Research Experience in Physics & Astronomy for Undergraduates (REU)/March 1, 2004

Research for Undergraduates in Biomechanics and Engineering

Strong Children's Research Center Summer Training/Feb. 13, 2004

Summer Fellowship Program in Visual Science

DeKiewiet Summer Program

McNair Summer Research Program/Feb. 1, 2004

Minority-Specific Programs: URSMD Ethnic and Multicultural Affairs

SURF (undergraduate) program

Summer Program for Minority Students in Dental School

## **University of Rochester PREP Program**

<http://www.urmc.rochester.edu/smd/mbi/prep/>

Duration: Up to two years.

Other info: Member of underrepresented minority group(s); U.S. citizens or permanent residents; have graduated with a baccalaureate degree in a biomedically relevant science no more than 36 months prior to the date of submission of the application.

## **University of Texas Medical Branch**

Galveston, Texas

### **Summer Undergraduate Research Program (SURP)**

[www.gsbs.utmb.edu/surp](http://www.gsbs.utmb.edu/surp)

Program Dates: June 7-August 13, 2004

Application Deadline: February 15, 2004

Other info: Stipend provided.

## **University of Texas**

### **Southwestern Graduate School of Biomedical Sciences**

Dallas, Texas

#### Summer Undergraduate Research Fellowships

[www.utsouthwestern.edu/SURF](http://www.utsouthwestern.edu/SURF)

Duration: 10 weeks

Program Dates: June 7, 2004 through August 13, 2004

Application Deadline: February 9, 2004

Other info: Applicants must be enrolled in a natural science degree program at the undergraduate level and have completed the sophomore year; stipend is provided.

## **University of Utah**

Salt Lake City, Utah

**NSF REU Integrative Biology for Undergraduates Summer Research Program**

Contact: Bioscience Undergraduate Research Program

University of Utah

Department of Biology

257 South 1400 East

Salt Lake City, UT 84112-0840

801-581-5013 or 800-289-7252

biourp@bioscience.utah.edu

Program Dates: May 30-August 6, 2004

Application Deadline: February 27, 2004

Other info: Stipend, travel expenses, room and board in the University of Utah dormitories.

**Summer Research Opportunity Program (SROP 2004)**

[www.utah.edu/gradschool](http://www.utah.edu/gradschool)

Program Dates: May 30-August 6, 2004

Application Deadline: February 27, 2004

Other info: Stipend provided, on-campus housing expenses and board are covered by the program.

**Summer Undergraduate Research Program in Chemistry**

Contact: Dr. Richard P. Steiner

University of Utah

Chemistry Department

315 South 1400 East Rm 2020

Salt Lake City, UT 84112-0850

801-581-5325

Steiner@chemistry.utah.edu

Program Dates: June 2 through August 8, 2004

Application available in OE 219.

Other information: Undergraduate chemistry majors who are completing their junior year; stipend, housing and up to \$500 for travel.

### **Summer MCAT Preparation and Research/Clinical Training Program**

Duration: 8 weeks

Program Dates: May-August, 2004

Application: Will be mailed in January of 2004. To receive one via e-mail or postal mail, please complete form in OE 219 and send to:

Sunny Gibson, Director

Diversity and Community Outreach

University of Utah School of Medicine

30 North 1900 East, 1C117

Salt Lake City, UT 84132

801-585-2430

[sunny.gibson@hsc.utah.edu](mailto:sunny.gibson@hsc.utah.edu)

Other info: For premedical students; stipend and room and board are provided.

### **University of Virginia**

Charlottesville, Virginia

### **Summer Research Internship Program**

<http://www.healthsystem.virginia.edu/gpo/srip/>

Duration: 10 consecutive weeks

Program Dates: June 1, 2004-August 7, 2004

Application Deadline: March 1, 2004

Other info: Sophomore, junior, and senior college years; stipend plus housing and transportation are provided.

## **University of Washington**

Seattle, Washington

### **University of Washington Engineered Biomaterials Summer Undergraduate Research Program**

<http://www.uweb.engr.washington.edu/education/reu.html>

Duration: 10 weeks

Program Dates: June 14-August 20, 2004

Application Deadline: March 19, 2004

Other info: U.S. citizen or a permanent resident of the U.S. or its possessions; academic sophomores and juniors who have completed basic chemistry, mathematics, and engineering courses, where applicable; stipend, meal allowance up to maximum of \$600.

### **Stipends for Training Aspiring Researchers (STAR) Program**

<http://depts.washington.edu/~bridges4/HSMSP/star.html>

Contact: 206-543-7822, [jhofmann@u.washington.edu](mailto:jhofmann@u.washington.edu)

Duration: 12 weeks

Other info: Applicant must have successfully completed at least one year of undergraduate studies; stipend provided (some travel stipends are available).

## **University of Wisconsin**

Madison, Wisconsin

Summer Undergraduate Research Programs and McNair Scholars (see URL below for links to 11 programs with program descriptions and deadlines.)

<http://info.gradsch.wisc.edu/admin/diversity/sumprog.html>

Application: <http://admin.engr.wisc.edu/SURP>

**Summer Undergraduate Research Experience** <http://studentservices.engr.wisc.edu/diversity/sure/>

Duration: 9 weeks

Program Dates: June 7 to August 6, 2004

Application Deadline: Placements will begin January 15, 2004; absolute program deadline is March 1, 2004.

Other info: Undergraduate students majoring in mathematics, chemistry, physics, engineering, biotechnology related engineering areas, and other physical sciences; U.S. citizens or permanent residents; stipend, travel expenses to and from the program, housing in University dormitories, and a meal program at an on-campus facility.

## **Vanderbilt University**

Nashville, Tennessee

### **Vanderbilt University Summer Science Academy**

[http://medschool.mc.vanderbilt.edu/summer\\_academy](http://medschool.mc.vanderbilt.edu/summer_academy) (Please see this URL for complete list of 10 opportunities with links.)

Other info: Students must have completed at least the first two years of a curriculum leading to a B.S. in Biology, Biochemistry, or Chemistry; stipend, housing, travel, and dining supplements are provided.

## **The College Fund/UNCF Premedical Summer Institute at Fisk University and Vanderbilt University Medical Center**

<http://www.aamc.org/students/considering/smep/start.htm>

Duration: 6 weeks

Application Deadline: March 1, 2004

Other info: full tuition, housing, and meals provided.

## **Virginia Tech**

Blacksburg, Virginia

### **Summer Research Internship Program for Undergraduate Students**

<http://maop.vt.edu/>

Duration: 10 weeks

Program Dates: June 1-August 5, 2004

Application Deadline: March 1, 2004

Other info: Majors in a wide variety of fields- science, agriculture, natural resources, veterinary medicine, public policy, architecture, plus many other fields; stipend, room and board are provided.

### **Virginia Tech Post-Baccalaureate Research and Education Program in the Biomedical and Behavioral Sciences**

<http://maop.vt.edu/>

Program Start Date: August 10, 2004

Application Deadline: March 1, 2004

Other info: U.S. citizenship or permanent residency, Masters degree or BA or BS, must have graduated within the last three years; must be individuals from ethnic groups considered by the Federal Government to be historically underrepresented in the biomedical and behavioral sciences; stipend, tuition remission, travel support to attend a workshop or to present at a scientific meeting

### **Wake Forest University Graduate School of Arts and Sciences**

Winston-Salem, North Carolina

**Cardiovascular Summer Program for Minorities** <http://www.wfubmc.edu/hypertension/scvp.shtml>

Program Dates: June 2-July 30, 2004

Application Deadline: February 16, 2004

Other info: under-represented minority: Native American Indian, Alaskan Native, Hispanic, Asian/Pacific Islander or African-American; U.S. citizen; undergraduate or master's student; stipend, room in a Wake Forest University residence hall and transportation costs to and from Winston-Salem will be provided.

### **Post-Baccalaureate Research Education Scholars Program**

<http://www.wfubmc.edu/hypertension/prep.shtml>

Contact: Debra I. Diz, Ph.D.

Professor, The Hypertension & Vascular Disease Center

PREP Scholars, Director

336-716-2150, [ddiz@wfubmc.edu](mailto:ddiz@wfubmc.edu)

Duration: 1-2 years

Other info: Minority students who have completed the undergraduate degree; must have graduated within the past 3 years; salary and tuition for 1-2 credits per year will be provided.

## **Washington University**

St. Louis, Missouri

### **BioMedical Research Apprenticeship Program Summer Research Experience**

<http://biomedrap.wustl.edu/>

Duration: 10 weeks

Program Dates: June 2 to August 6, 2004

Application Deadline: January 31, 2004

Other info: Stipend, housing in university dormitories, and travel to and from St. Louis are provided.

## **Yale University**

New Haven, CT

### **Biomedical Science Training and Enrichment Program (BioSTEP)**

<http://info.med.yale.edu/omca/programs/biostep.htm>

Duration: 10 weeks

Stipend, housing, travel provided

Application Deadline: February 1, 2004

Other info: Stipend provided.

## **Yale Summer Undergraduate Research Fellowship**

[www.yale.edu/graduateschool/services/odeo\\_surf.html](http://www.yale.edu/graduateschool/services/odeo_surf.html)

Duration: 8 weeks

Application Deadline: February 1, 2004

## **PREP**

[http://www.yale.edu/graduateschool/services/odeo\\_prep.html](http://www.yale.edu/graduateschool/services/odeo_prep.html)

Duration: 1-2 years

Application Deadline: March 1, 2004

Other info: Stipend provided.

## **Summer Medical Education Program (SMEP)**

<http://www.aamc.org/students/considering/smep/start.htm>

Duration: 6 weeks

Application Deadline: March 1, 2003

Other info for Undergraduate and Graduate Students:

## **American Society for Microbiology**

<http://www.asm.org/Education/index.asp?bid=6278>

Robert D. Watkins Minority Graduate Fellowship

Application Deadline: May 1, 2004

Other info: Be admitted into doctoral program in microbiology, have completed 1<sup>st</sup> year in that program; underrepresented minority, US citizen or permanent (green card) visa status; funding provided for 3 years; fellowship can not run concurrently with other national fellowships from NIH, NSF, HHMI, etc.

## **Ford Foundation**

<http://www7.nationalacademies.org/FELLOWSHIPS/fordpredoc.html>

Deadline: November 19, 2003

## **NASA**

Minority University Research and Education Programs

<http://mured.nasaprs.com/>

Biomedical Research and Countermeasures Program

[http://spaceresearch.nasa.gov/research\\_projects/biomedical.html](http://spaceresearch.nasa.gov/research_projects/biomedical.html)

NASA Ames Life Sciences

<http://lifesci.arc.nasa.gov/>

NASA Astrobiology

<http://astrobiology.arc.nasa.gov/>

NASA Astrobiology Institute

<http://nai.arc.nasa.gov/>

Fundamental Space Biology

<http://fundamentalbiology.arc.nasa.gov/>

Fundamental Space Biology Research Announcements

[http://research.hq.nasa.gov/code\\_u/open.cfm](http://research.hq.nasa.gov/code_u/open.cfm)

NASA's Fundamental Space Biology Outreach Program

<http://weboflife.ksc.nasa.gov/>

NASA Education Program

<http://education.nasa.gov/>

NASA Education Programs

<http://spacelink.nasa.gov/Educational.Services/NASA.Education.Programs/.index.html>

Marshall Space Flight Center

Huntsville, Alabama

<http://fellowships.hq.nasa.gov/gsrp/program/>

## **National Science Foundation**

Fellowship 2004 application deadline has passed (November 4, 2003).

<http://www.orau.org/nsf/nsffel.htm>

Program Year 2004 will be available in on website in early August 2003.

## **National Science Foundation Research Experiences for Undergraduates**

<http://www.nsf.gov/pubs/2003/nsf03577/nsf03577.htm>

### **Application Process Considerations:**

Please keep in mind that summer research program application deadlines vary by program and range from November to March.

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.

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.

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). 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: appropriate number of semesters completed, adequate GPA.
3. U.S. citizenship or permanent resident status.

Applications and/or additional information (research areas, stipends, travel expenses, housing, program requirements (e.g. no courses or other employment while in summer program) may be on file in the MBRS office (OE 219). You may also access the web sites or call the phone numbers included when a web site was not identified.

If you have questions, corrections, or would like to suggest other programs to add to the listing, please contact Esther Lopez at 305-348-7311 or via email [lopeze@fiu.edu](mailto:lopeze@fiu.edu).