

2015

GUIDE TO SUMMER ENRICHMENT & POSTBACCALAUREATE PROGRAMS

A Guide to Research, Pre-Health, Professional,
and
Post-baccalaureate Enrichment Programs



Science Educational Equity Program
California State University, Sacramento

2015
GUIDE TO SUMMER ENRICHMENT
&
POST-BACCALAUREATE
PROGRAMS©

**CALIFORNIA STATE UNIVERSITY, SACRAMENTO
SCIENCE EDUCATIONALEQUITY PROGRAM**

**Published by California State University, Sacramento
Science Educational Equity Program
-December 2014**

**Funding support provided in part by
CSU, Louis Stokes Alliance for Minority Participation Program
National Science Foundation - NSF Grant #HRD1302873 and the Chancellor's
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The Science Educational Equity (SEE) Program

The goals of the Science Educational Equity (SEE) Program at California State University, Sacramento are to improve the quality of health care in underserved communities and to foster inclusion of diverse perspectives in science research, science education, development of health care policy, and the delivery of health care. To accomplish these goals the SEE program provides an academic and peer support system for students who face social, economic and educational barriers to careers in health professions, science research, and science teaching. Production of the Guide to Summer Enrichment and Post-baccalaureate Programs is one of many ways that the SEE Program assists students in their journey to careers in science and the health professions.

The 2015 Guide to Summer Enrichment and Post-baccalaureate Programs

This guide is a compilation of many Summer Enrichment and Post-baccalaureate programs offered at Universities, State and Federal Agencies, and other types of public or private institutions across the United States and internationally. The listings were compiled by the SEE Program from flyers, internet postings, and information provided by programs in response to telephone and mail inquiry from the SEE Program. Although every effort has been made to ensure the accuracy of program information, it is advisable to confirm information with a program representative or consult the appropriate brochure of application. We would also like to note that there are programs that have not been included in the guide because information was not available at the time of publication.

The programs listed in the guide are divided into three categories: Research, Pre-health professional, and Post-baccalaureate. Within each category, the programs are listed in alphabetical order by state. For your convenience, a complete list of programs included in the guide is provided in the table of contents. All programs require that students be either permanent residents or US citizens unless otherwise noted. Most programs are actively recruiting students who are members of the following underrepresented groups: *African American, Latino/Hispanic, Native American, or Pacific Islander* (some programs include Native Hawaiian, Native Eskimo, and Southeast Asian). Please read eligibility criteria carefully.

We have attempted to ensure that all programs included in the guide accept out-of-state applicants. Application cycles begin as early as December. Application packages should be requested and returned to the prospective program with supporting documents as soon as possible. Remember that it is a competitive application process. Be sure to submit a quality (typed) application and plan to apply to more than one program.

We hope you will find a program in the guide that fits your academic and future professional needs. Please call the SEE office at (916) 278-6519 for assistance with the application process.

What are Summer Enrichment and Post-baccalaureate Programs?

Most Summer Enrichment programs are summer residential programs for undergraduate students, which last anywhere from 4 to 10 weeks. Post-baccalaureate programs are designed for students who have completed the baccalaureate degree, and are usually 1 to 2 year programs. Some programs focus on strengthening necessary study skills such as problem solving, time management, and note taking. Other programs introduce students to science or health careers, and/or prepare students for standardized exams (e.g., MCAT, DAT, and GRE). Programs may also include science coursework and workshops on the application process. Summer or Post-baccalaureate research programs provide an opportunity to gain valuable laboratory and/or clinical research experience. Regardless of program emphasis, participation in a program can increase a student's potential for academic success and can enhance his/her health professional or graduate school application. All students interested in pursuing a career in research/teaching or the health professions are urged to take advantage of these opportunities.

While we have compiled an impressive list of programs this guide does not include every program available. We have included only the programs that have responded to our inquiries. There are many other programs available. However, for a variety of reasons, they may not have had information available for us by the time this guide was printed. We encourage you to check out the following links to websites that you can search for NSF, NIH, NASA and Post-Bacc programs on your own.

NSF supported research:

Paid summer 2015 Undergrad Research Placements:

Over 400 programs - REU and Other Summer Research Opportunities for Undergrads

<http://www.pathwaystoscience.org/Summerresearch.aspx>

NIH supported research:

<http://www.nih.gov/science/index.html>

For NASA-supported internships, fellowships and scholarships:

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

Graduate Post-Baccs around the US:

<http://www.nigms.nih.gov/nigms.nih.gov/Templates/CommonPage.aspx?NRMODE=Published&NRNODEGUID=%7BCB1CD0DB-578B-4A93-9B30-28CD7BD90308%7D&NRORIGINALURL=%2fMinority%2fSpecial%2fPREP%2fPartInstPREP.htm&NRCACHEHINT=Guest#CA>

UC Post Baccs:

<https://meded-postbac.ucsd.edu/index.cfm?curpage=home>

AAMC Pre-med Post-baccalaureate Programs:

<http://services.aamc.org/postbac/>

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STEM Teacher and Researcher Program (STAR)

Institution & Address: Cal Poly College of Science and Mathematics
California Polytechnic State University, 1 Grand Ave.
San Luis Obispo, CA 93407

Contact Information: Brian Paavo, PhD, STAR Program Director
Phone: (805) 756-2875
Email: star@calpoly.edu

Program Information: Program Description:

STAR is a nine-week program with paid summer research internships, weekly education workshops, and opening and closing conferences. Our participants, STAR Fellows, are aspiring teachers from California State University (CSU) and /or the Robert Noyce Scholarship Program developing their identity as teacher-researchers. Under the guidance of research mentors, Fellows conduct cutting-edge research at laboratory facilities run by CSU, Department of Defense, Department of Energy, NASA, NOAA, NSF, and the SETI Institute. At summers end Fellows present their work to the broad STAR community at a STAR Closing Conference. Our Fellows embed the practices to support Next Generation Science Standards. Fellows may participate for up to three summers (before reaching their 2nd year as a full-time teacher) and become part of the STAR community with ongoing Professional Development opportunities like conference funding, opportunity announcements, and networking support with other STEM teachers and researchers.

Criteria for Participation:

STAR applicants must be at least 18 years old by the start of the program; a student or alum of the California State University and/or a current or former member of the NSF Robert Noyce Scholarship Program; a US Citizens or Permanent Resident Alien; and, a pre-service teacher or a STAR alum with two or fewer years of participation in STAR and two or fewer years of teaching experience. Successful applicants will have: a demonstrated interest in teaching Science, Technology, Engineering or Math in grades K-12; at least junior standing with a strong record of appropriate undergraduate STEM coursework; and, and a minimum GPA of 2.7 (3.0 or higher preferred).

TRAVEL:

Relocation Reimbursement of Expenses up to \$250

HOUSING:

Reimbursement of expenses up to \$2000 for qualifying individuals

STIPEND:

\$500/week (40 hr/wk)

Deadline: January 15, 2015

Students can access additional program information and the application at
<http://starteacherresearcher.org/>

Summer Research Opportunity Program (SROP 2015)

Institution & Address: University of California Berkeley
Graduate Diversity Program
327 Sproul Hall
Berkeley, CA 94720-5900

Contact Information: Cynthia Ladd-Viti, Outreach & Summer Program Coordinator
Phone: (510) 643-6010
Email: clv@berkeley.edu

Program Information:

Program Description:

Faculty mentored research program for undergraduates in the **Arts & Humanities, Social & Physical Sciences** (opportunities for science students in the areas of Earth & Planetary Sciences, Atmospheric Science, Astronomy, Physics, Astrophysics, Chemistry, Geology, Geophysics, and Statistics). The program goal is to encourage and prepare participants to pursue MD/PhD degrees and research careers in these fields.

Criteria for Participation:

Must be a US citizen or permanent resident and enrolled full-time at a four-year college or university. Juniors and seniors (not graduation in spring '15) are eligible to apply. Strong GPA (minimum cumulative GPA 3.0 or better) and have demonstrated potential for success, but may have had limited access to graduate research or other preparatory opportunities. Applicants from diverse population and backgrounds historically underrepresented in higher education are encouraged to apply.

TRAVEL:

Yes

HOUSING:

Room and Board

STIPEND:

Yes

Program Dates: June 7 to August 1, 2015

Deadline:

February 1, 2015

Students can access additional program information and the application at <http://diversity.berkeley.edu/graduate/gdp/srop>
Or contact us at grad.diversity@berkeley.edu

Summer Undergraduate Research Fellowship in Pharmacology

Institution & Address: University of California, San Diego
Department of Pharmacology
9500 Gilman Dr. #0636
La Jolla, CA 92093-0636

Contact Information : Lizette Cerf, Coordinator
Phone : (858) 822-3936
Email : pharmeducation@ucsd.edu

Program Information :

Program Description:

This program is specifically for sophomores and juniors interested in a career in basic research and who are seriously considering PhD training in the basic Biomedical Sciences. The areas of research are varied but generally focus on Trans-Membrane Signaling, Second Messengers, Nuclear Signaling, Cardiovascular Pharmacology, Inflammation, Neurobiology, Cancer, and Pain Perception. This program is not designed for pre-MD students.

Criteria for Participation:

See website

TRAVEL:
See website

HOUSING:
Yes

STIPEND:
\$3,000

Deadline: January 17, 2015

Students can access additional program information and the application at
<http://pharmacology.ucsd.edu/other/surf.php>

Health Career Connection

Institution & Address: Health Career Connection
300 Frank H. Ogawa Plaza, Suite 243
Oakland, CA 94612

Contact Information: Maggie Sotelo, Program Coordinator
Phone: (866) 579-4442 ext. 8
Email: msotelo@healthcareers.org

Program Information:

Program Description:

HCC places talented, diverse undergraduate students in summer internships that provide them with invaluable exposure, experience, and mentoring to pursue health careers. The Program is a full-time 10-week placement in a host organization. Program includes Workshops on key professional and personal development topics, including leadership, advocacy, cultural competence, life and career planning, and graduate education preparation; Site visits to diverse health settings; peer support network; mentoring from HCC team; connections to top graduate schools; and support from HCC's network.

Criteria for Participation:

While all students are eligible, we strongly encourage students of color and those from disadvantage backgrounds to apply as HCC has a commitment to increasing the number and diversity of healthcare leaders & professionals and to increasing opportunities for people who are from or want to serve underserved communities. HCC does not offer clinical or research related internship. All fields are considered, including but not limited to Health Sciences, Public Health, Healthcare Policy and Management, Community Health, Business, Political Science, Sociology, Biology, Biochemistry & Pre-Med.

TRAVEL:

No

HOUSING:

No

STIPEND:

\$3,000 to \$4,000

Deadline: Monday, February 9, 2015

Students can access additional program information and the application at
<http://www.healthcareers.org>

CDU/UCLA Undergraduate Cancer Research Training Program (UCRTP)

Institution & Address: CDU/UCLA
1731 East 120th Street
Los Angeles, CA 90059

Contact Information: May Santiago Ong, Program Coordinator
Phone: (323) 563-5936
Email: mayong@cdrewu.edu

Program Information:

Program Description:

The Undergraduate Cancer Research Training Program (UCRTP) is a 12-week CDU/UCLA summer internship research program for outstanding undergraduates who are contemplating careers in biomedical-related fields and working with underserved communities. UCRTP is hosted by Charles Drew University (CDU), in partnership with the Honsoon Comprehensive Cancer Center at UCLA. An individualized program is developed for each trainee who will work with a faculty mentor at CDU or UCLA. Each trainee will work on a research, learn procedures on the laboratory workbench, submit weekly progress reports, and lead a presentation at on Cancer Journal Club meeting. To complete the program, each undergraduate trainee will submit a research paper. Duration: May 18-Aug. 7, 2015 (we will also accommodate your schedule).

Criteria for Participation:

- Minimum 3.0 GPA
- Undergraduate freshman, sophomore, junior or non-graduating senior student
- One year of college-level biology or chemistry
- Students from low income or underrepresented minority background encouraged to apply
- Must have two letters of recommendation

TRAVEL:

No

HOUSING:

No

STIPEND:

\$4,000/ 12 wks.

Deadline: March 1, 2015

Students can access additional program information and the application at
http://www.cdrewu-dcrt.org/education_training.aspx?page

Global Environmental Microbiology Summer Course

Institution & Address: The University of Southern California
3616 Trousdale Pkwy, AHF 209
Los Angeles, CA 90089-0371

Contact Information: Cynthia Joseph, Diversity Director
Phone: (213) 821-2760
Email: cynthijr@usc.edu

Program Information:

Program Description:

The University of Southern California's Center for Dark Energy Biosphere Investigation (C-DEBI), funded by the National Science Foundation, offer an all-expense paid four-week intensive introductory field course, Global Environmental Microbiology (GEM). This course focuses on microbes found in aquatic environments investigated through authentic research experiences. Students travel to LA, the Eastern Sierra Mountains and Catalina Island to collect samples and complete the laboratory protocols and are taught by USC professors (no credit for this course).

Criteria for Participation:

- Interested in a science career and willing to explore scientific research
- Flexible, open to new experiences and able to commit to attending the course
- Completed at least 1 semester-long science course at a 2 or 4-year college/university (biology, chemistry, physics, geology, etc.).
- Must be a US citizen or permanent resident.

TRAVEL:

Yes

HOUSING:

Yes

STIPEND:

\$200

Deadline: February 3, 2015

Students can access additional program information

<http://www.darkenergybiosphere.org/education/undergrads/GEMcourse.html>

Summer Multicultural Access to Research Training (SMART)

Institution & Address: University of Colorado at Boulder
Colorado Diversity Initiative
347 UCB
Boulder, CO 80309-0347

Contact Information: Barbara Kraus, Program Coordinator
Phone: (303) 492-5779
Email: smart@colorado.edu

Program Information:

Program Description:

The SMART Program is a 10-week research internship that prepares undergraduates for graduate programs in science, technology, engineering and math (STEM) fields. Each summer, 25 students from institutions nation-wide participate in research under the guidance of faculty mentors and attend weekly workshops on scientific writing and presenting, GRE preparation, and the application process for graduate school. SMART interns earn one (1) hour of upper-division undergraduate credit.

Criteria for Participation:

Participants must be US citizens or permanent residents. Underrepresented students in science, math, and engineering programs, *or* be first generation college students who are economically disadvantaged according to federal income guidelines. Must have completed second year of undergraduate study (the equivalent of 60 semester credit hours) by June 2014. Not have received a bachelor's degree or plan to receive one before December 2014. Must have sufficient credits in the academic area(s) to which they apply.

TRAVEL:

Round-trip travel expenses

HOUSING:

Room and board

STIPEND:

\$4,000 plus 1 credit

Deadline: February 15, 2015

Students can access additional program information and the application at
<http://www.colorado.edu/GraduateSchool/DiversityInitiative/undergrads/smart/>

Rocky Mountain Biological Laboratory REU Program

Institution & Address: RMBL
PO Box 519
Crested Butte, CO 81224

Contact Information: Dr. Jennifer Reithel, Science Director
Phone : (970) 349-7231
Email : sd@rmbll.org

Program Information :

Program Description:

This Program targets students who wish to conduct a full-time independent research project in field biology. Students conduct independent research under the supervision of RMBL scientists, Research topics includes plant-insect interactions, climate change, mutualisms, animal behavior, and more.

Criteria for Participation:

A successful candidate should have a year of college biology. Candidate must be a US citizen or permanent resident. Students must not have already graduated from college before the dates of the program.

TRAVEL:
\$400

HOUSING:
Yes, housing + meals

STIPEND:
\$5,000

Deadline: February 15, 2015

Students can access additional program information and the application at
<http://www.rmbll.org>
Click on the 'students' link

Summer Research Experience for Undergraduates

Institution & Address: Northwestern University
2145 Sheridan Road K111
Evanston, IL 6020-8

Contact Information: Aleta Hagman, Education and Outreach Coordinator
Phone: (847) 491-3606
Email: mrc-reu@northwestern.edu

Program Information:

Program Description:

The Northwestern University Materials Research Science and Engineering Center (NU_MRSEC) offers an REU program over a 9 week period each summer. The NU_MRSEC is an interdisciplinary program focused on multi-functional nanoscale material structures. Over 35 faculties from 9 different departments are involved. REU students will contribute to a research project led by a center faculty member and will participate in interdisciplinary research group meetings, expanding their science and engineering experience into a range of fields. Students with an interest in nanomaterials and majoring in a science or engineering field are encouraged to apply.

Criteria for Participation:

While there is no strict GPA requirement, the GPA of admitted students is typically above 3.5. There is an opportunity for you to explain if difficult circumstances have detracted from your GPA, and we do look favorably upon students who can work through adversity. Most recipients are rising junior and seniors. We seldom admit younger students, though if you have already had some independent research experience you may still be in the running. You must *not* have completed your degree before the program begins. The program is open to U.S. citizens or permanent residents.

TRAVEL: Round trip airfare and other expenses
HOUSING: On campus
STIPEND: \$4,500

Deadline: February 15, 2015

Students can access additional program information and the application at
www.mrsec.northwestern.edu/content/educational_programs/reu.htm

Summer Research Experience for Undergraduates in Microbiology

Institution & Address: The University of Iowa
Department of Microbiology
3-403 Bowen Science Bldg.
Iowa City, IA 52242-1109

Contact Information: Julie Nealson, Admin Services Coordinator
Phone : (319) 335-7980
Email : undergrad-micro-info@uiowa.edu

Program Information :

Program Description:

The REU in Microbiology at The University of Iowa provides a 10-week "hands-on" research experience for students interested in pursuing a career in the Biological Sciences. A co-curriculum exposes students to the breadth of Microbiology, helps them prepare for graduate school, and makes them aware of career opportunities.

Criteria for Participation:

The program is intended for undergraduates who have completed two years of college, are majoring in a Biological Science, and intend to pursue graduate school and a career in biological research. Only US citizens or permanent residents are eligible. Disabled, disadvantaged, or minority students are especially encouraged to apply.

TRAVEL:
See website

HOUSING:
Yes

STIPEND:
\$5,250

Deadline: February 15, 2015

Students can access additional program information and the application at
<http://www.medicine.uiowa.edu/microbiology/summer/>

University of Iowa Summer Undergraduate MSTP Research Program (SUMR)

Institution & Address: The University of Iowa
2206 MERF
Iowa City, IA 52242

Contact Information: Leslie Harrington, Administrative Director
Phone : (319) 335-8303
Email : sumr@uiowa.edu

Program Information :

Program Description:

- A 10-week research project conducted in the laboratory of a faculty member in the biomedical sciences.
- Weekly seminar series emphasizing how science and medicine intersect
- Case-based learning exercise discussing mechanisms underlying disease process
- Career development seminars (MD/PhD admissions; personal and research statement writing)
- Physician-scientist shadowing experience (2-4 afternoons during the 10-week period)
- Social and mentoring activities with MD/PhD students

Criteria for Participation:

Eligible students must be U.S citizens or permanent residents who anticipate graduating with a bachelor's degree in the biological or physical sciences in the academic year following the summer of planned participation. GPA should be in the range of 3.0-4.0.

TRAVEL:
\$400.00

HOUSING:
Dormitory

STIPEND:
\$4,125

Deadline: February 4, 2015

Students can access additional program information and the application at
<http://www.healthcare.uiowa.edu/mstp/New/mstp/summer/index.htm>

SUMaR - Kansas State University

Institution & Address: Kansas State University
Mathematics Department
138 Cardwell Hall
Manhattan, KS 66506

Contact Information: Prof. Marianne Korten, Director of Undergraduate Research
Phone : (785) 532-0567
Email : marianne@math.ksu.edu

Program Information :

Program Description:

During eight weeks, 12 undergraduate students will have the opportunity to visit K-State and carry out research projects under the mentorship of the mathematics department's faculty. Since a subset of the student population we plan to recruit will be early in their studies, and hence expected to have limited experience with mathematical proof, the REUs will feature a series of talks by philosophy faculty on epistemology of mathematics and propositional logic.

Criteria for Participation:

This REU encourage applications from students preparing for graduate studies in mathematics, and those from community colleges who might otherwise not have an opportunity to experience mathematics work and consider graduate studies. Applicants must provide a current transcript, reference letters from two faculty who can comment on your mathematical ability, a one-page statement describing their educational or professional goals and how this REU can help further them, your personal information such as name, address, contact phone, e-mail, college major, expected date of graduation (month and year). Applicants must be U.S. citizens or permanent residents.

TRAVEL:

Allowance up to \$300

HOUSING:

Room and board in residence halls covered

STIPEND:

\$4000

Deadline: See Website

Students can access additional program information and the application at
<http://www.math.ksu.edu/reu/sumar/>

Summer Undergraduate Research Opportunity Program (SUROP)

Institution & Address: Kansas State University
103 Fairchild Hall
Manhattan, KS 66506

Contact Information: Carol Shanklin, Graduate School Dean
Phone : (785) 532-7927
Email : gdschgra@ksu.edu

Program Information :

Program Description:

The Summer Undergraduate Research Opportunity Program (SUROP) gives undergraduates from under-represented groups a first-hand experience with the research process in preparation for graduate school and other advanced study. Students spend nine weeks during the summer (May 31-July 31) at Kansas State University (K-State) participating in the research programs of faculty mentors. Program participants also attend weekly seminars related to conducting research and the graduate school experience and participate in social and educational events with participants of other summer research programs.

Criteria for Participation:

First-generation college students, members of ethnic minority groups, females in STEM disciplines, and other under-represented groups are invited to apply for the K-State SUROP. Applicants must be U.S. Citizens or permanent residents. Applicants should have an undergraduate cumulative GPA of 3.0 or better on a 4.0 scale, and have a career goal that includes graduate-level education. Students should have at least sophomore standing and must be enrolled in at least one semester of undergraduate study upon completion of the program.

TRAVEL:

\$300

HOUSING and MEALS:

Yes

STIPEND:

\$3,000

Deadline: February 1, 2015

Students can access additional program information and the application at
<http://www.k-state.edu/grad/academics/suop/suop.html>

Summer Academy in Sustainable Bioenergy

Institution & Address: Kansas State University
1005 Durland Hall
Manhattan, KS 66506

Contact Information: Keith Rutlin, Educational Programs Administrator
Phone : (785) 532-2029
Email : rutlin@k-state.edu

Program Information :

Program Description:

Students that are selected to participate in the Summer Academy in Sustainable Bioenergy will have hands-on experiences with processing agricultural biomass, experiencing the physical environment of industrial-scale biomass processing with all its limitations and opportunities. Each student will be paired with a faculty mentor or graduate student, and will work on a team project related to sustainable bioenergy. Students will participate in field trips, attend social events, and will give a poster presentation summarizing their research project.

Criteria for Participation:

Students will be accepted from all science, socioeconomic, agricultural, and engineering majors. Applicants must be American citizens or permanent residents. 3.0 GPA or higher. Preference is given to students who have completed their sophomore or junior year. Outstanding first-year students may be considered. Graduating seniors are not eligible. First-generation college students, members of ethnic minority groups, females in STEM disciplines, and other under-represented groups are especially encouraged to apply.

TRAVEL:
Up to \$400

FOOD and HOUSING:
Provided

STIPEND:
\$4,500

Deadline: February 15, 2015

Students can access additional program information and the application at
<http://cse.ksu.edu/REU>

Summer Medical & Dental Education Program (SMDEP)

Institution & Address: Office of Diversity and Inclusion
323 East Chestnut Street, Room 502
Louisville, KY 40202

Contact Information: Sharon Gordon, SMDEP Program Coordinator
Phone : (502) 852-7159
Email : specprog@louisville.edu

Program Information :

Program Description:

This free innovative six- week summer academic enrichment program provides students with a 3-hour course for credit entitled "Intro to Biomedical Sciences" focused on integrated problem solving in the basic sciences and math. SMDEP allows students to experience how science is integrated into medical & dental school studies and careers via classroom instruction; team based learning modules, clinical correlations studies and hands-on training. Professional and personal development workshops also provided. This intense summer enrichment program is guaranteed to catapult students to a higher level of comprehension and competency.

Criteria for Participation:

Participants must be U.S. citizens or permanent residents and currently enrolled in an undergraduate program as a freshman or sophomore. Applicants should have an undergraduate cumulative GPA of 2.5 or better on a 4.0 scale, and HAS NOT previously participated in SMDEP.

TRAVEL: Yes
HOUSING: Yes
STIPEND: Yes

Deadline: March 1, 2015

Students can access additional program information and the application at
<http://www.smdep.org>

Summer Undergraduate Pharmacology Experience in Research (SUPER)

Institution & Address: Louisiana State University Health Sciences Center - Shreveport
1501 Kings Highway, Room 5-215A
P.O. Box 33932
Shreveport, LA 71130-3932

Contact Information: Megan Moore, Program Coordinator
Fax : (318) 675-7857
Email : mmoor8@lsuhsc.edu

Program Information :

Program Description:

Our Program provides opportunities for independent research projects, conducted under the guidance of experienced faculty mentors, which will provide career opportunities in graduate research in pharmacology, toxicology, carcinogenesis, chemoprevention, neuropharmacology, and neuroscience. In addition, during this 8- 10-week program participants will learn about career development, laboratory safety training (including possible chemical and biological hazards), safe and humane animal handling and radioisotope methodology.

Criteria for Participation:

Participants must be U.S. citizens or permanent residents and currently enrolled full-time in an undergraduate program. Prior research experience is preferred, but not required. Successful applicants must have two years of college, a lab course, and an undergraduate cumulative GPA of 3.0 or better on a 4.0 scale.

TRAVEL:
See website

HOUSING:
See website

STIPEND:
See website

Deadline: See website

Students can access additional program information and the application at
<http://www.lsuhsershreveport.edu/PharmacologyToxicologyandNeuroscience/PTNSummerUndergradPharmacologyResearch.aspx>

Research Experience for Undergraduates: Gulf of Maine and the World Ocean

Institution & Address: Bigelow Laboratory for Ocean Sciences
PO Box 380, 60 Bigelow Drive
East Boothbay Harbor, Maine 04544

Contact Information: David Fields, REU Program Director
Phone: (207) 315-2567
Fax: (207) 315-2329
Email: dfields@bigelow.org

Program Information:

Program Description:

Bigelow Laboratory's National Science Foundation funded Research Experience for Undergraduates (REU) Program offers undergraduates interested in ocean science the opportunity to work closely with scientists on current research projects. Each summer students live and work at Bigelow for ten weeks, and conduct independent research using hands-on, state of the art methods and technologies.

Criteria for Participation:

REU applicants must be undergraduates and citizens or permanent residents of the United States. Students graduating the May before the program are not eligible. Applicants should have a minimum of one year of basic biology and be in good standing with their home institution. Most REU students will have completed two of three years of college.

TRAVEL:
Yes up to \$350

HOUSING:
Yes

STIPEND:
\$500/week

Deadline: See website

Students can access additional program information and the application at
www.bigelow.org/education/reu/

Summer Research Fellowship

Institution & Address: Mount Desert Island Biological Laboratory
PO Box 35,
Salisbury Cove, ME 04672

Contact Information: Chuck Fidler PhD, MBA
Phone: (207) 288-9880
Email: cfidler@mdibl.org

Program Information:

Program Description:

Undergraduate Summer Research Fellowships support undergraduate students working in the laboratories of resident or visiting scientists on hands-on research projects. Summer fellowships also provide students with other educational opportunities including an extensive scientific seminar program, professional development workshops, and dedicated residential-life programs.

Criteria for Participation:

Prerequisites include one semester of college biology. Academic performance, short answer questions, and faculty recommendations are weighed equally.

TRAVEL:
Round Trip Airfare

HOUSING:
Included

STIPEND:
\$500/Week

Deadline: January 10, 2015

Students can access additional program information and the application at
www.mdibl.org

Undergraduate Research Experience in Estuarine Process

Institution & Address: Maryland Sea Grant
4321 Hartwick Rd, Suite 300
College Park, MD 20740

Contact Information: Michael Allen Asst. Director for Research
Phone: (301) 405-7500
Email: mallen@mdsg.umd.edu

Program Information:

Program Description:

Maryland Sea Grant, with funding from the National Science Foundation, supports undergraduates to conduct marine research on the Chesapeake Bay. The program is especially designed for majors in Biology, Chemistry, Ecology, Physics, Engineering, Mathematics, and Marine and Environmental Science. During the 12-week program students work with a mentor on an individual research project at either one of two University of Maryland marine labs on the Chesapeake Bay. The program focuses on hands-on research, oral presentations and writing.

Criteria for Participation:

Applicants should have completed two years of study and must still be undergraduates in the fall term following their REU summer program. Preference is given to rising seniors. Must be an US citizen or permanent resident. The program encourages students from underrepresented groups in marine sciences to apply. Strong science course work is necessary. There is not a minimum GPA required, but the program is competitive and most accepted students have a GPA of 3.0 or above.

<p>TRAVEL: Round trip to REU site included</p> <p>HOUSING: Yes</p> <p>STIPEND: \$6,000</p>
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Deadline: February 20, 2015

Students can access additional program information and the application at
<http://www.mdsg.umd.edu/REU>

SERC Professional Training in the Environmental Studies

Institution & Address: Internship Program in Environmental Studies
SERC, 647 Contees Wharf Rd
Edgewater, MD 21037

Contact Information: Daniel Gustafson Jr., SERC Professional Training Coordinator
Phone: (443) 482-2217
Email: gustafsond@si.edu or SERCintern@si.edu

Program Information:

Program Description:

SERC offers undergraduate, recent graduates (less than 12 months of start date) and beginning graduate students a unique opportunity to gain exposure and experience in a research environment. The program enables students to work on specific projects under the direction of the center's professional staff and is tailored to provide the maximum educational benefit to each participant. Offered during spring, summer, and fall.

Criteria for Participation:

Most interested in environmental science and education majors including: Biology, Chemistry, Physics, Botany, GIS and Zoology. Need to submit on-line application form, personal essay, copy of transcripts and 2 letters of reference to <https://www.solaasi.edu/solaa/solaahome.html>.

TRAVEL:
NO

HOUSING:
\$105 per week

STIPEND:
\$500 per week

Deadlines: February 1, 2015

Students can access additional program information and the application at
http://serc.si.edu/pro_training/internships/internships.aspx

UM STAR Program

Institution & Address: University of Maryland
School of Public Health
College Park, MD 20742-2611

Contact Information: Ryan Sapp, Program Coordinator
Email: rsapp@umd.edu

Program Information:

Program Description:

The University of Maryland School of Public Health **Summer Training and Research (STAR)** program is designed to provide traditionally under-represented undergraduate students with two consecutive summers of a 10-week research training and career development program to enhance their potential to apply for and complete PhD degrees in biomedical and behavioral science relevant to preventing and treating cardiovascular disease. UM STAR has been funded for the past years by a grant from the National Heart, Lung, and Blood Institute (NHLBI) of the National Institutes of Health (NIH). Over 40 UM STAR Trainees have completed the program to date and the Program enrolls 6-8 new Trainees every summer.

Criteria for Participation:

- US Citizen or permanent resident of the US
- Enrolled full time at a 4-yr university
- Sophomore or junior with a G.0 or better cumulative GPA
- Come from a under-represented minority group, disadvantaged background, and/or have a disability
- Desire to pursue a PhD in biomedical or bio-behavioral science
- Willing to commit to the program for 2 consecutive summers

TRAVEL:
See website

HOUSING:
Paid on campus housing

STIPEND:
\$4,000

Deadlines: March 20, 2015

Students can access additional program information and the application at <http://sph.umd.edu/content/school-public-health-summer-training-and-research-um-star>

HSCI Internship Program (HIP)

Institution & Address: Bauer Building Room G11
7 Divinity Avenue
Cambridge, MA 02332

Contact Information: Maureen Herrmann, Program Administrative Manager
Phone: (617) 496-6647
Email: maureen_herrmann@harvard.edu

Program Information:

Program Description:

The goal of the HSCI Internship Program (HIP) is to provide undergraduate students with a focused and challenging summer research experience in an innovative stem cell science laboratory, and to expose them to different professional options within the scientific arena. Internships will be for a period of ten weeks (June 8 – August 14, 2015). On campus, housing will be available, at cost, to participants.

Criteria for Participation:

This is a highly competitive application process. In 2014, 35 interns out were chosen out of over 700 applicants. Applicants who will receive their baccalaureate degrees by December 2014 are ineligible. Some background in biological science is required. Previous research lab experience is highly desirable. Applicants must express a strong interest in stem cell biology.

TRAVEL:
No

HOUSING:
No

STIPEND:
\$4,500

Deadline: February 6, 2015

Students can access additional program information and the application at
<http://www.hsci.harvard.edu/research/hsci-internship-program-hip>

Harvard Forest Summer Research Program in Ecology

Institution & Address: Harvard Forest
324 North Main Street
Petersham, MA 01366

Contact Information: Manisha Patel, Summer Program Coordinator
Phone: (978) 756-6148
Email: manishapatel@fas.harvard.edu

Program Information:

Program Description:

The Harvard Forest Summer Research Program in Ecology is an opportunity for students to participate in mentored, independent research at the Harvard Forest. Harvard Forest research focuses on the effects of natural and human disturbances on forest ecosystems, including global climate change, hurricanes, forest harvesting, wildlife dynamics, and invasive organisms. Students live on the Harvard Forest campus for 11 weeks, participating in ongoing research projects and developing independent projects. At the end of the summer, students share their research results by writing a scientific abstract, and presenting their findings at a student research symposium.

Criteria for Participation:

The Harvard Forest Summer Program in Ecology is open to undergraduates or recently graduated students. Significant past experience in ecological research is not required only an enthusiasm to learn. Some projects might require students to have completed coursework in ecology, chemistry, computer science, or statistics.

TRAVEL:
Up to \$500

HOUSING:
Yes

STIPEND:
\$5,500

Deadline: February 6, 2015

Students can access additional program information and the application at
<http://harvardforest.fas.harvard.edu/education/reu>

Williams College: Mathematics & Statistics

Institution & Address *Bronfman Science Center*
18 Hoxsey Street
Williamstown, MA 01267

Contact Information: Steven J Miller, Program Director
Phone: (413) 597-3293
Email: sjm1@williams.edu

Program Information:

Program Description:

The SMALL Undergraduate Research Project is a nine-week summer program in which undergraduates investigate open research problems in mathematics. One of the largest programs of its kind in the country, SMALL is supported in part by a [National Science Foundation grant for Research Experiences for Undergraduates](#) and by the [Science Center of Williams College](#). Around 500 students have participated in the project since its inception in 1988.

Criteria for Participation:

Students work in small groups directed by individual faculty members. Many participants have published papers and presented talks at research conferences based on work done in SMALL. Some have gone on to complete PhD's in Mathematics. During off hours, students enjoy the many attractions of summer in the Berkshires: hiking, biking, plays, concerts, etc. Weekly lunches, teas, and casual sporting events bring SMALL students together with faculty and other students spending the summer doing research at Williams College.

TRAVEL:
See website

HOUSING:
See website

STIPEND:
See website

Deadline: February 11, 2015

Students can access additional program information and the application at
<http://www.mathprograms.org/db>

Grand Valley State University Mathematics REU Program

Institution & Address: Grand Valley State University
Department of Mathematics
1 Campus Drive
Allendale, MI 49401

Contact Information: Prof. William Dickinson
Phone: (616) 331-3745
Email : dickinsw@gvsu.edu

Program Information :

Program Description:

Students meet every weekday with their faculty mentors, and then work on their projects. Every other week, each team gives 20-to-30 minute presentations about their research. In the middle of the week, there is "Group Fun". At the end of the week, a guest faculty speaker gives a seminar talk on his or her research interests. A summer research program in mathematics including the development of communication skills. Program starts June 14 and ends August 9, 2015.

Criteria for Participation:

Successful completion of Linear Algebra and Calculus. High GPA and strong math background is helpful as acceptance to the program is competitive.

TRAVEL:

No

HOUSING:

Yes, On-campus

STIPEND:

\$4,000

Deadline: February 20, 2015

Students can access additional program information and the application at
<http://www.gvsu.edu/mathreu>

Summer Undergraduate Research Fellowship Program

Institution & Address: Mayo Graduate School
200 First Street S.W.
Rochester, MN 55905

Contact Information: Glenda Mueller, SURF Program Coordinator
Phone: (507) 284-3862
Email: gmueller@mayo.edu

Program Information:

Program Description:

The SURF program allows students to work besides established investigators on a broad array of biomedical research questions. Students will conduct their own small research project or work on part of a larger, ongoing research investigation for ten weeks. They will be given adequate supervision and training but generally are offered as much responsibility as they can handle. Students are encouraged to participate in weekly seminars that introduce them to a wide array of fascinating biomedical topics.

Criteria for Participation:

A GPA of at least 3.0 is required. College sophomores, juniors and seniors who will not have graduated by summer may apply.

TRAVEL: No
HOUSING: No
STIPEND: \$5,000

Deadline: February 1, 2015

Students can access additional program information and the application at
<http://www.mayo.edu/mgs/surf.html>

MHIF Summer Research Internship Program - Clinical Cardiology

Institution & Address: Minneapolis Heart Institute Foundation
920 East 28th Street, Suite 100
Minneapolis, MN 55407

Contact Information: Eva Kovacs Zewdie, Manager of Professional Education
Email : researchintern@mhif.org

Program Information :

Program Description:

MHIF conducts 130+ clinical trials each year, publishes 100+ peer-reviewed manuscripts, and is significantly represented at major cardiovascular conferences. Now in its 12th year, the internship program typically hosts 12-16 students each summer. Each intern works with a staff mentor and a physician mentor on a research project that will have clinical impact. Intern work tasks typically include extracting and analyzing data from electronic health records, formulating research hypotheses, drafting articles/abstracts and more. Motivated research interns will often have the opportunity to be listed as authors on articles in peer-reviewed journals; 1-2 per year present posters at a national scientific meeting.

Criteria for Participation:

Preferred qualifications for intern applicants include enrollment in a U.S.-based accredited degree program in a health care or related discipline; rising junior standing (minimum 60 credits completed); and GPA of 3.50 or above. Applicants must be available to begin work on the first Monday in June and be available to work a minimum of 400 hours from June to August.

TRAVEL:

No

HOUSING:

No

STIPEND:

Yes, \$10/hour (40 hrs/week)

Deadline: January 31, 2015

Students can access additional program information and the application at
www.mplsheart.org/internship

Donald Danforth Plant Science Center Summer Undergraduate Internship Program

Institution & Address: Danforth Center
975 N. Warson Road
Saint Louis, MO 63132

Contact Information: Cathy Kromer, Summer Intern Coordinator
Phone: (314) 587-1424
Email: ckromer@danforthcenter.org

Program Information:

Program Description:

The Danforth Center summer internship program is an NSF-funded, 11 week program in which undergraduates conduct laboratory research in Plant Biology, including Biochemistry, Molecular Biology, Genetics, Genomics, Development, Physiology, and Biotic and Abiotic stress. The program also includes workshops, field trips, and other activities.

Criteria for Participation:

This program does not have prerequisites, although previous course work, class level, GPA, personal statement, and recommendation letters are considered. As per NSF requirements, participants must be enrolled in an undergraduate institution in the summer following the internship.

TRAVEL:
\$500

HOUSING:
Room plus \$500 food allowance.

STIPEND:
\$5,500

Deadline: Check website for deadline

Students can access additional program information and the application at
<http://www.danforthcenter.org/internship/>

Nebraska Undergraduate Summer Research Program

Institution & Address: University of Nebraska, Lincoln
Summer Undergraduate Research Program

Contact Information: Office of Graduate Studies
Maggie Jobes
Phone: (402) 472-0073
Email: graduate@unl.edu

Program Information:

Program Description:

The Nebraska Summer Research Program is a consortium of NSK funded Research Experiences for Undergraduates (REU) and other summer research opportunities programs (SROP) in the areas of bioenergy systems, biomedical engineering, chemistry, earth and atmospheric sciences, mathematics, physics, nanomaterials/nanoscience, redox biology, and virology.

One unique feature of the Nebraska Summer Research Program is the partnership between the REU and SROP programs and the Office of Graduate Studies. Students benefit in having a community of scholars in which to learn and to share research with.

This intensive summer research experience provides mentoring and research experiences while allowing scholars to preview graduate school life. Students with a strong interest in graduate programs are particularly encouraged to apply, as are those from populations traditionally underrepresented in graduate education.

Criteria for Participation:

Because of the funding organization's eligibility stipulations, participation in the Nebraska Summer Research Program is limited to students who meet the following criteria:

- U.S. Citizen or Permanent Resident (green card holder)
- Current undergraduate with at least one semester of course work remaining before obtaining a bachelor's degree (E.g., students graduating in May are not eligible)
- Each research program may have unique criteria or prerequisites

TRAVEL:

Yes

HOUSING:

Yes, on-campus plus meals.

STIPEND:

\$4,000-\$5,500

Deadline: February 1, 2015

Students can access additional program information and apply online at

<http://www.unl.edu/summerprogram/>

Undergraduate Pipeline Network (UPN)

Institution & Address: The University of New Mexico
1 University of New Mexico
Albuquerque, NM 87131-0001

Contact Information: Elaine E. Manzanilla, Education Specialist, Biomedical Research
Education Programs
Phone: (505) 272-4087
Email: EManzanilla@salud.unm.edu

Program Information :

Program Description:

The Undergraduate Pipeline Network (UPN) at the UNM Health Sciences Center provides undergraduates an opportunity to experience and perform biomedical or community-based/health disparities scientific research for 10 weeks during the summer. UPN scholars perform research, participate in a weekly didactic seminar, develop cohort-building skills via weekend activities and present their research at a judged research symposium held at the UNM Health Sciences Center. UPN 2015 runs from May 28, 2015 through August 6, 2015.

Criteria for Participation:

1. 3.0 GPA
2. Students must have completed between 30 and 100 units
3. Currently attend a college or university in the United States
4. US Citizen or US Permanent Resident (green card holder)

TRAVEL:

No

HOUSING:

No

STIPEND:

\$5,000

Deadline: February 20, 2015

Students can access additional program information
http://hsc.unm.edu/research/brep/pipeline_overview.shtm

Plant Genome Research Program (PGRP)

Institution & Address: Boyce Thompson Institute for Plant Research
533 Tower Road
Ithaca, NY 14853-1801

Contact Information:

Phone: (607) 254-1242
Email: bti_comm@cornell.edu

Program Information :

Program Description:

The Boyce Thompson Institute for Plant Research at Cornell University offers summer internships to enrolled undergraduate and high school students interested in biological research. Our internships provide an excellent opportunity to gain research experience and explore if a scientific career is right for you. Currently we have positions in two areas: Plant Genome Research and Bioinformatics. Program is from June 1-August 7, 2015.

Criteria for Participation:

Students must be either US citizens or permanent US residents (green card holder). Undergraduate applicants must be enrolled in a college/university and must be at least 18 at time of internship.

TRAVEL:

Will reimburse up to \$500

HOUSING:

Yes: Undergrad interns will receive group housing on Cornell campus

STIPEND:

Up to \$5,250 + \$1,050 meal allowance

Deadline: Friday February 6, 2015

Students can access additional program information
<http://bti.cornell.edu/education/internships>

Short-Term Research Education Program to Increase Diversity in Health-Related Research (STREAMS)

Institution & Address: 3171 Research Park
Suite 240
Dayton, OH 45420

Contact Information: Valerie Neff, Ph. D., Assistant Director
Phone : (937) 775-1304
Email : streams@wright.edu

Program Information :

Program Description:

STREAMS is funded by the National Heart , Lung, and Blood Institute of the NIH to provide opportunities in biomedical research for individuals from disadvantaged backgrounds, racial, and ethnic minorities and those with disabilities. SRTREAMS aims to stimulate career development in cardiovascular, pulmonary, hematological and sleep disorder research by these individuals.

Criteria for Participation:

Those applying to the STREAMS program should be:

- Underrepresented minority students (African-Americans, Native Americans, Hispanics, or Pacific Islanders) or students with disabilities.
- U.S. citizens or permanent residents.
- Undergraduates or master's level students.
- In good academic standing.

TRAVEL:

Yes

HOUSING:

Yes

STIPEND:

\$400 per week

Deadline: March 6th, 2015

Students can access additional program information and the application at
<http://www.med.wright.edu/streams>

Success Program

Institution & Address: 1072 Graves Hall
333 W 10th Venue
Columbus, OH 43210

Contact Information: Meg Sprague, Program Coordinator
Phone : (614) 685-9764
Email : SUCCESS@osumc.edu

Program Information :

Program Description:

The SUCCESS Program will enable students to participate in a 9-week, fully-funded, enriching research experience hosted by the Medical Scientist Training Program. While taking part in this program, students will take valuable professional development courses and learn from engaged mentors; all while working in state-of-the-art research facilities.

The SUCCESS program seeks to identify outstanding students interested in the biomedical sciences with the goal of pursuing graduate education (MD/PhD or PhD). The program seeks to enhance and foster diversity in graduate study in the biomedical and biological sciences as reflected in culture, class, race, ethnicity, background, work, and life experiences. The program especially encourages applications from African Americans, Hispanic/Latino Americans, American Indians, Pacific Islanders, and others whose backgrounds and experiences would bring diversity to the field.

Criteria for Participation:

- Expected College Graduation date in 2016 or 2017
- Enrolled in a U.S. 4-year undergraduate institution
- An American citizen or permanent resident

TRAVEL:
\$500

HOUSING:
Yes
Ohio State University dorm rates

STIPEND:
\$3,800

Deadline: January 23, 2015

Students can access additional program information
go.osu.edu/success

Equity Summer Research Program

Institution & Address: Oregon Health & Science University
Mail code: L601
3181 SW Sam Jackson Park Rd.
Portland, OR 97239-3098

Contact Information: Ebony Lawrence, Outreach & Recruitment Coordinator
Phone : (503) 494-5025
Email : lawreneb@ohsu.edu

Program Information :

Program Description:

OHSU offers an exciting opportunity to spend 8 to 10 weeks working with faculty and graduate students in a research setting, learning new skills, and gaining experience. The Equity Program has three tracks; 1) Medicine, 2) Dentistry, 3) Research (PhD). There will be weekly seminars and meetings, and a poster presentation. Interns will also receive career mentoring from OHSU faculty along with additional mentorship and support.

Criteria for Participation:

Eligible students will have completed at least one full year of college coursework.

- The most competitive applicants will have completed coursework in the basic sciences (e.g. biology, chemistry, neuroscience, biopsychology) and mathematics.
- The program is only open to applicants who have experienced social or economic disadvantages.

TRAVEL:
Limited

HOUSING:
Limited

STIPEND:
Yes

Deadline: February 9, 2015

Students can access additional program information and the application at
<http://www.ohsu.edu/xd/about/vision/center-for-diversity-inclusion/academic-resources/internships/summer-equity-internship.cfm>

Lehigh University REU Program in Physics

Institution & Address: Lehigh University
Department of Physics
16 Memorial Drive East
Bethlehem, PA 18015

Contact Information: REU Coordinator
Phone: (610) 861-3930
Email: reu@lehigh.edu

Program Information:

Program Description:

Students participate in Physics or Engineering research projects, working with faculty, postdoctoral fellows, graduate students and other undergraduates. The program includes a weekly seminar series, and free housing in a group dorm is provided.

Criteria for Participation:

Sophomore or Junior level Physics and Engineering majors are eligible.

TRAVEL:
Up to \$350

HOUSING:
Yes

STIPEND:
\$5,665

Deadline: March 7, 2015

Students can access additional program information and the application at
<http://www.physics.cas2.lehigh.edu/reu>

Leadership Alliance Summer Research - Early Identification Program (SR-EIP)

Institution & Address: The Leadership Alliance
Box 1963
Providence, RI 02912-1963

Contact Information: Barbara Kahn, Coordinator for Graduate
& Undergraduate Programs
Phone: (401) 863-7994
Email: Barbara_Kahn@brown.edu

Program Information:

Program Description:

SR-EIP offers undergraduates, interested in pursuing a PhD or MD-PhD the opportunity to delve into research for 8-10 weeks in the summer under the guidance of a faculty or research mentor at one of 21 programs sites at major research-intensive institutions. Students attend the National Symposium at the end of July, give an oral or poster presentation, and network with previous participants now in research careers.

Criteria for Participation:

Applicants must have completed at least two semesters and have at least one semester remaining of undergraduate education by the start of the summer; demonstrate a committed interest to pursue graduate study toward a PhD or MD-PhD; attend full-time an accredited public or private college or university in U.S. or territories; minimum GPA of 3.0 or better; documented US citizenship or permanent resident status. Experience may be required at some institutions.

TRAVEL:

Yes

HOUSING:

Yes

STIPEND:

\$3,000 or more

Deadline: February 1, 2015

Students can access additional program information and the application at
<http://www.theleadershipalliance.org>

Pediatric Oncology Education (POE) Program

Institution & Address: St. Jude Children's Research Hospital
262 Danny Thomas Place
Memphis, TN 38105-3678

Contact Information : Suzanne Gronemeyer, PhD, Director, POE Program
<http://www.stjude.org/poe/>
Email: suzanne.gronemeyer@stjude.org

Program Information:

Program Description:

The National Institutes of Health / National Cancer Institute fund the Pediatric Oncology Education program at St. Jude Children's Research Hospital. The POE program offers a unique opportunity for students preparing for careers in the biomedical sciences, medicine, nursing, pharmacy, psychology, or public health to gain biomedical and oncology research experience. The POE program provides a short-term training experience (internship) in either laboratory research or clinical research.

Criteria for Participation:

Trainees **MUST** be a United States citizen, non-citizen national, or possess a visa permitting permanent residence in the United States. Most POE students are highly qualified undergraduate or graduate students preparing for careers in medicine or biomedical sciences. A few are attending or have been accepted into graduate, medical, pharmacy, or nursing school. POE applicants **MUST** have an undergraduate GPA of at least a 3.40/4.00 in math and science (biology, chemistry, physics) **AND** at least a 3.40 overall. Applicants must have research experience and be in at least their sophomore year of college when they apply. At least one letter of recommendation must be from a research mentor.

TRAVEL:

No

HOUSING:

Yes

STIPEND:

\$4,000

Deadline: February 1, 2015

Students can access additional program information and the application at
<http://www.stjude.org/poe/>

University of Virginia Summer Research Internship Program (SRIP)

Institution & Address: University of Virginia
1340 Jefferson Park Avenue, Room 1102
Charlottesville, VA 22908

Contact Information: Jeff Baker, SRIP Administrator
Phone: (434) 924-1757
Email: srip@virginia.edu

Program Information:

Program Description:

The University Of Virginia, School Of Medicine offers summer research internship opportunities to qualified college undergraduates considering a career in biomedical research. The program targets, but is not limited to, racially and ethnically diverse students in their junior and senior years. The program's goals are to expose undergraduates to laboratory research and to familiarize them with the opportunities that exist for careers in biomedical research. Presentations and panel talks from our graduate students, along with free GRE tutorials, help SRIP interns successfully navigate the graduate school application process.

Criteria for Participation:

See website

TRAVEL:

Yes - Airfare or driving reimbursement

HOUSING:

UVA housing provided

STIPEND:

\$4,683

Deadline: February 13, 2015

Students can access additional program information and the application at
<http://med.virginia.edu/srip/>

Summer Undergraduate Research Program

Institution & Address: Fred Hutchinson Cancer Research Center
1100 Fairview Ave North
Seattle, WA 98109-1024

Contact Information: Jennifer Anderson
Phone: (206) 667-7480
Email: janderso@fhcrc.org

Program Information:

Program Description:

The FHCRC's Summer Undergraduate Research Program is an intensive, nine-week internship designed to provide research experience and mentorship for undergraduate students who are interested in biomedical research. Under the guidance of a faculty mentor, students will complete an independent research project, attend weekly research seminars, participate in professional development workshops designed to help facilitate the graduate/medical school application process, and present their findings at a competitive poster session.

Criteria for Participation:

Applicants should be an undergraduate student of junior academic standing with a strong academic background in the sciences. The program runs from June 15, 2015 to August 14, 2015.

TRAVEL:
Up to \$450

HOUSING:
Available for \$1,900

STIPEND:
\$4,500

Deadline: January 16, 2015

Please visit: <http://www.fhcrc.org/en/education-training/undergraduate-students.html> to learn more about the SURP program, including eligibility criteria, compensation, travel and housing, and/or to submit an application. Applications are due **Friday, January 16, 2015**. Two letters of recommendation are due on **Friday, January 23, 2015**.

Diversity Summer Health- related Research Education Program (DSHREP)

Institution & Address: Medical College of Wisconsin
8701 Watertown Plank Road
Milwaukee, WI 53226

Contact Information: Jean Davis- Mallett, Program Coordinator III
Phone: (414) 955-8735
Email: jdmallett@mcw.edu

Program Information:

Program Description:

The DSHREP is a ten-week summer experience created for underrepresented students to participate in the areas of cardiovascular, pulmonary and hematological research. The DSHREP program allows students to participate as an active member of a research team, while increasing their knowledge about the critical issues in basic science and clinical research and learning about career opportunities in research and health professions.

Criteria for Participation:

Applicants must be a US citizen or permanent legal resident from an economically or educationally disadvantaged background. Applicant must process a strong science and math GPA of at least 3.4 and have successfully completed at least one undergraduate year at an accredited school or university, or attending a junior community college and be enrolled in at least three courses per academic term. Applicant must show proof of health insurance prior to the start of the program.

TRAVEL:

Yes (see website for details)

HOUSING:

Yes (see website)

STIPEND:

\$10.00 per hour based on a 40-hour workweek

Deadline: February 1, 2015

Students can access additional program information and the application at
<http://www.mcw.edu/diversityprograms>

Energy Efficient Electronics Science (E3S)

Contact Information: Lea Marlor
Phone: (510)-664-4882
Email: e3sprograms@e3s-center.org

Program Information:

Program Description:

A 9 week program that introduces energy efficient electronics science to undergraduates who are interested in pursuing a Ph.D. in science and engineering. Summer interns have the opportunity to join E3S researchers working in a collaborative and innovative environment to make fundamental breakthroughs in the underlying physics, chemistry, and material science of electronic systems. E3S is implemented at the following 4 program sites across the nation.

- University of California: Berkeley
- Massachusetts Institute of Technology
- Stanford University
- University of Texas at El Paso
- Florida International University

Criteria for Participation:

To be eligible for E3S, an applicant must be a rising sophomore, junior, and non-graduating senior. Must have an engineering and physical science major with an overall GPA of 3.25, and be a U.S. Citizen or hold a permanent resident visa.

TRAVEL:
Depends on program site

HOUSING:
Yes

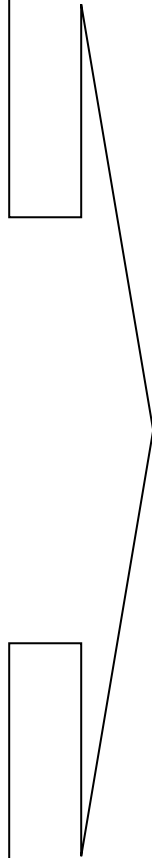
STIPEND:
\$4,000

Deadline: January 30, 2015

Students can access additional program information and the application at
www.e3s-center.org/research/

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10-Week Summer Student Research Program

Institution & Address: Summer Student Pre-Med and Research Program
Medical Education Department
Hartford Hospital
80 Seymour Street
Hartford, CT 06102-5037

Contact Information: Rosemarie Portal or Janet Hegeman
Phone: (860) 972-2536
Email: rosemarie.portal@hhchealth.org Janet.hegeman@hhchealth.org

Program Information:

Program Description:

This program, offers the pre-medical student (current third year) an introduction to research methodology, patient treatment, and ethical issues in medicine as well as exposure to a broad spectrum of health care providers within a larger community teaching hospital.

Criteria for Participation:

U.S. pre-medical students who are U.S citizens or permanent residents completing their junior or senior year by May 30, 2015. Minimum cumulative GPA is 3.5.

TRAVEL: No
HOUSING: Yes (Out of State Students Only)
STIPEND: \$1,800

Deadline: February 12, 2015

Students can access additional program information and the application at <http://www.harthosp.org/residenciesfellowships/summerstudentresearchprogram/default.aspx>

Health Professions Advanced Summer Scholars Program (Health P.A.S.S)

Institution & Address: Des Moines University
3200 Grand Avenue
Des Moines, IA 50312

Contact Information:
Phone: (515) 271-7498
Email: healthpass@dmu.edu

Program Information:

Program Description:

HealthPASS program is taking place in the summer between their freshman and sophomore or junior and senior years. Participants will have the opportunity to experience "a day in the life" of students in four areas of health professions: Osteopathic Medicine (D.O), Podiatric Medicine and Surgery (D.P.M.), Physical Therapy (D.P.T.), and Physician Assistant (P.A.).

Criteria for Participation:

The Health P.A.S.S program is specifically geared toward students who are underrepresented in medicine and healthcare - this includes individuals who are racially/ethnically underrepresented, first generation college students, and/or students who come from low-income backgrounds.

TRAVEL:
Reimbursement

HOUSING:
Yes. Plus meals

STIPEND:
See Website

Deadline: February 15, 2015

Students can access additional program information and the application at
www.dmu.edu/healthpass

VCU SAEP (Summer Academic Enrichment Program)

Institution & Address: Virginia Commonwealth University
Division for Health Sciences Diversity
PO Box 980006
Richmond, VA 23298

Contact Information: Amy Taloma, M. Ed
Assistant Director
Phone: (804) 827-4773
Email: pipelineapp@vcu.edu

Program Information:

Program Description:

The Summer Academic Enrichment Program is an intensive, six-week inter-professional program designed to enhance the academic preparation of students actively pursuing enrollment in a health professions school. The curriculum is designed around an inter-professional framework that provides three challenging core courses, discipline specific instruction time (dentistry, medicine, pharmacy, and physical therapy), learning skills and test-taking workshops, seminars featuring topics on health disparities, professionalism and public speaking activities, including interview preparation, group and individual advising and admissions workshop.

Criteria for Participation:

SAEP is available for upper level undergraduate, post-baccalaureate, and recently graduated students. Requirements for admission to the program includes, three years of college work, including organic chemistry (not required for the physical therapy track), cumulative GPA of 2.75, two letters of reference, a personal statement, transcripts and a strong interest in attending health professions graduate school at VCU.

TRAVEL:

Participants coming from distances greater than 200 mi may apply for travel reimbursement up to: \$250

HOUSING:

Yes

STIPEND:

\$1,500

Deadline: February 1, 2015

Students can access additional program information and the application at
<http://www.dhsd.vcu.edu/>

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PREP – Post Baccalaureate Research and Education Program

Institution & Address: University of New Mexico
MSC03-2020
Albuquerque, NM 87131-0001

Contact Information: Antonio Bañuelos, PREP Coordinator
Phone: (505) 610-1725
Email : prep@unm.edu

Program Information :

Program Description:

PREP is a National Institute of Health (NIH) training program, funded through 2017, designed to enhance the ability of under-represented individuals in the biomedical sciences to gain entry to, and succeed in, nationally recognized PhD programs.

Criteria for Participation:

Applicants must be U.S. citizen or permanent resident and a member of a group found to be under-represented in biomedical research. Applicant must have relatively little or no research laboratory experience and be a recipient of a Bachelor's degree within the 36 months prior to the time of acceptance into PREP w/ a cumulative GPA of at least 3.0. Must demonstrate commitment to pursuing a PhD in biomedical research field.

<p style="text-align: center;">TRAVEL: Receive support to attend two national conferences</p> <p style="text-align: center;">HOUSING: No</p> <p style="text-align: center;">STIPEND: \$27,200</p>

Deadline: Open but usually ending in May/June or until all Scholar positions have been filled

Students can access additional program information and the application at
<http://biology.unm.edu/prep>

Post-baccalaureate Research Education Program (PREP)

Institution & Address: Virginia Commonwealth University
PO Box 980035
Richmond, VA 23298-0035

Contact Information: Joyce A. Lloyd, PhD, Professor and Vice Chair of Education
Phone: (804) 628-2182
Email: jlloyd@vcu.edu

Program Information:

Program Description:

The Post-baccalaureate Research Education Program (PREP) is a 1-year biomedical research-training program for recent college graduates from underrepresented groups who are considering graduate level training in the biomedical sciences. The program provides PREP scholars with a yearlong, paid, mentored research experience, and the opportunity to develop technical skills, and critical thinking skills. At the end of the program, PREP scholars should have the skills needed to successfully compete for admission into a biomedical PhD program, at Virginia Commonwealth University or another outstanding institution.

Criteria for Participation:

Eligible applicants must have graduated from college before the start of the program on July 1st. Students must be interested in pursuing a Ph.D. or a M.D. /Ph.D. Students must have graduated in the last three years to be considered eligible. Applicants must be U.S. citizens, permanent residents or non-citizen nationals. Proof of citizenship status or resident status will be required before the start of the program.

TRAVEL: Yes
HOUSING: No
STIPEND: \$27,200/year

Deadline: March 15, 2015

Students can access additional program information and the application at
<http://www.healthdisparities.vcu.edu>

Institutional Research and Academic Career Development Award (IRACDA)

Institution & Address: Virginia Commonwealth University
School of Medicine
1101 East Marshall Street
Sanger Hall Building, Room 11-015
Richmond, VA 23298-0033

Contact Information: Dr. Paul Fisher, Professor & Chairman
Department of Human & Molecular Genetics
Phone: (804) 628-3506
Fax: (804) 827-1124
Email: pbfisher@vcu.edu

Program Information:

Program Description:

The VCU Institutional Research and Academic Career Development Award is a unique three-year postdoctoral program designed to train fellows in biomedical research and in teaching. The program is supported by NIH, and facilitates the progress of postdoctoral candidates toward research and teaching careers in academia. Other goals are to provide a resource to motivate the next generation of scientists at minority-serving institutions, and to promote linkages between research-intensive institutions and minority-serving institutions that can lead to further collaborations in research and teaching.

Criteria for Participation:

Eligible applicants must hold a Ph.D. or M.D. and must complete the degree before starting the program. IRACDA trainees must be U.S. citizens, permanent residents or non-citizen nationals. Proof of citizenship status or resident status will be required before the start of the program.

TRAVEL: Yes, See Website
HOUSING: No
STIPEND: Yes, See Website

Deadline: April 1, 2015

Students can access additional program information and the application at
<http://www.healthdisparities.vcu.edu/>