

# Summer Research Opportunities...

The University of California campuses offer summer research opportunities to students who have an interest in pursuing doctoral study. These internship programs provide students with one-on-one mentorship and the chance to work on research projects in a “graduate school” setting. Most of these summer programs are designed primarily for juniors; in some cases, seniors and Master’s level students may be accommodated.

## UC Berkeley

### Amgen Scholars Program

This program provides a 10-week, full-time research experience for undergraduates, supported by the Amgen Foundation. The objectives of the program are: to provide students with the skills to become research scholars; to stimulate students' serious consideration of graduate study; and to increase learning and networking opportunities for students committed to pursuing either a professional or academic research career in biological sciences or bioengineering. Amgen scholars will receive a stipend \$3,600, and on-campus housing and board. Participants will conduct research with a UC Berkeley faculty member, participate in a GRE preparation program and present their research at a mid-summer national gathering of Amgen scholars.

#### APPLICATION DEADLINE

Early February

#### FURTHER INFORMATION

UCB Amgen Scholars Program  
158 Barrows Hall, MC# 2990  
Berkeley, CA 94720-2990  
Phone: (510) 642-0280 or (510) 642-5113  
amgenscholars@berkeley.edu  
<http://mcb.berkeley.edu/amgen>

### Center of Integrated Nanomechanical Systems (COINS) Undergraduate Internship Program at Berkeley

This program is designed for highly motivated students with interests in nanotechnology and nanoscience. Interns are matched with a COINS lab to work on a project as part of the research team. In addition to daily engagement in the lab, interns attend a weekly seminar, participate in a workshop on the graduate school application process, develop a scientific paper, and produce a poster for presentation of their research. The 8-week program (mid-June to mid-August 15) includes mentoring from faculty, graduate students, and postdocs; a \$4000 stipend; social activities; and on-campus room and board (students who reside locally during the summer receive a full meal plan). Underrepresented students are encouraged to apply. Applicants must be a US citizen or permanent resident.

#### APPLICATION DEADLINE

Early April

#### FURTHER INFORMATION

Rachel Winheld  
COINS Program  
345 Le Conte Hall #7300  
Berkeley, CA 94720-7300  
Phone: (510) 642-0352  
winheld@berkeley.edu  
<http://nano.berkeley.edu/coins/>

### NSF Summer REU (Research Experiences for Undergraduates) Site at Berkeley in Cell, Developmental and Evolutionary Biology

This program is designed for highly motivated students with interests in biological research. Individual research projects are available in 22 faculty laboratories in biology at UC Berkeley and the Joint Genome Institute. The program integrates academic and professional development through group tutorials on cell, developmental and evolutionary biology, and bioinformatics; informal faculty research seminars; and workshops on the graduate school application process and career opportunities. The 10-week program (June to August) includes mentoring from faculty, graduate students, and peers from the Berkeley Biology Scholars Program; a \$3,500 stipend; free on-campus housing in International House, including 19 meals/week; reimbursement for travel costs; and excursions and social programs.

#### APPLICATION DEADLINE

Mid-March

#### FURTHER INFORMATION

Professor David A. Weisblat  
MCB, 385 LSA  
Berkeley, CA 94720-3200  
Phone: (510) 642-8309  
weisblat@berkeley.edu  
reuapplic@lists.berkeley.edu  
<http://mcb.berkeley.edu/nsfreu/>

**Lilia R. Briones** *Social Psychology, UC Riverside*

My experience participating in a summer research internship at UCR as an undergraduate far surpassed my expectations. I was immediately impressed with the professionalism and caliber of the faculty in the Psychology Department and throughout the university. My choice of UCR was based on my interactions with staff and faculty during the summer internship. What I liked most was the sense of community instilled in graduate students rather than the competitiveness that I saw at other universities. I was also impressed with the diversity and tolerance for cultural differences emphasized here. UCR's diverse population is especially important to my research on intergroup relations and racial prejudice.

Although the faculty in my department are world-renowned, they are approachable and excited to help graduate students succeed. We even have a weekly departmental lunch where we discuss statistical problems. This tradition allows for direct communication between faculty and graduate students. Though it's been challenging, I have never regretted my decision to come to UCR. The opportunities to discuss my research and hone my statistical skills will benefit me throughout my career. At UCR I feel a sense of community, and I am proud to be part of this world-class university.



### Summer Undergraduate Program in Engineering Research at Berkeley (SUPERB)

SUPERB is an 8-week research-intensive program in the College of Engineering. The program is designed to instruct junior-level students in engineering research methodology and to encourage the pursuit of advanced study in engineering. Students engage in research projects under the direction of a faculty advisor and a graduate student mentor. Students are provided a stipend, a travel allowance (within program limits), and dormitory-style room and board.

**APPLICATION DEADLINE**

Early February

**FURTHER INFORMATION**

SUPERB, College of Engineering  
222 Bechtel Hall, MC#1702  
Berkeley, CA 94720-1702  
Phone: (510) 643-6443  
[www.coe.berkeley.edu/cues/superb/](http://www.coe.berkeley.edu/cues/superb/)

### Summer Research Opportunities Program (SROP)

SROP is designed to increase the level of diversity among prospective Ph.D. students pursuing careers in university teaching and research by providing research opportunities to historically underrepresented students. This 10-week summer program seeks a diverse group of sophomores, juniors, and seniors (those not graduating in the spring term) in the arts and humanities, social sciences and physical sciences. Students work with faculty members on predetermined research projects and participate in workshops and seminars designed to assist them in preparing for graduate school. Students are provided a stipend, room and board, and a travel allowance (within program limits).

**APPLICATION DEADLINE**

Early February

**FURTHER INFORMATION**

Cynthia Ladd-Viti  
Summer Research Opportunity Program  
Graduate Diversity Program  
318 Sproul Hall, MC#5900  
Berkeley, CA 94720-5900  
Phone: (510) 643-6010  
[grad.diversity@berkeley.edu](mailto:grad.diversity@berkeley.edu)  
[www.grad.berkeley.edu/diversity](http://www.grad.berkeley.edu/diversity)

## UC Davis

### Bodega Marine Laboratory Summer Research Experience for Undergraduates

Over 8 weeks (June to August), students will develop confidence and independence in conducting research and communicating scientific concepts. Faculty and other mentors provide one-on-one training in a friendly, supportive environment on choosing a research topic, writing a research paper, and more. Students learn how to communicate their research results effectively. Students develop essential career survival skills, including scientific ethics. A goal of this National Science Foundation supported program is to increase the participation of underrepresented minorities in marine science. Participants will receive a stipend, laboratory housing, meals and travel costs.

**APPLICATION DEADLINE**

Early Spring

**FURTHER INFORMATION**

Dr. Susan Williams  
Phone: (707) 875-2211  
[bml-reu@ucdavis.edu](mailto:bml-reu@ucdavis.edu)  
[www.bml.ucdavis.edu/student-info/researchexp.html](http://www.bml.ucdavis.edu/student-info/researchexp.html)

## Center for Biophotonics Science and Technology Internship Opportunities

This summer research internship program takes place between May and September every year with one of the Center partner institutions (UC Davis, Lawrence Livermore National Laboratory, UC Berkeley, UC San Francisco, Alabama A&M University, Stanford University, University of Texas at San Antonio, Mills College, and Fisk University). Six fully-funded positions are available. Interns receive a stipend of \$400 per week and up to \$500 travel reimbursement. Housing is not provided. Participants work in a laboratory on research projects, participate in orientation events, learn how to make an effective research poster, and present their work to other scientists.

### APPLICATION DEADLINE

Mid to late February

### FURTHER INFORMATION

Center for Biophotonics Sciences & Technology  
4800 2nd Avenue, Suite 2600  
Sacramento, CA 95817  
Phone: (916) 734-8600  
cbst-internships@ucdavis.edu  
<http://cbst.ucdavis.edu/education/undergraduate/research/internship>

## Research Experiences for Undergraduates Program in Physics

During this 10-week program students live together on campus while working alongside faculty and graduate students on a research project. Throughout the summer students discuss their work at weekly lunchtime gatherings with a faculty mentor present. College students from two-year or four-year institutions may apply. Strong preference is given to students who have completed at least one year of calculus-based introductory physics. Students receive housing and meals, a \$300/week stipend, and travel to and from the program.

### APPLICATION DEADLINE

Mid-February to Mid-March

### FURTHER INFORMATION

Rene Zieve  
REU Program, Physics Department  
One Shields Avenue  
Davis, CA 95616  
Phone: (530) 752-2510  
zieve@physics.ucdavis.edu  
<http://london.ucdavis.edu/~zieve/REU/reu.html>

## Summer Undergraduate Research Program (SURP)

SURP prepares students for the competitive application and admissions process to graduate programs. Participants in the paid 8- to 10-week program conduct research under the direction of a UC Davis faculty mentor, attend weekly seminars, participate in a GRE prep course, and present their findings at the end of the summer. Seminars include topics such as enhancing research skills, delivering research presentations, and successfully navigating the graduate application process. Students from historically underrepresented backgrounds are especially encouraged to apply. Participants receive a \$3,000 stipend, housing, board and roundtrip travel (within program limits). Computer, library, and recreational resources are available.

### APPLICATION DEADLINE

Late February

### FURTHER INFORMATION

Office of Graduate Studies  
250 Mrak Hall  
One Shields Avenue  
Davis, CA 95616  
Phone: (530) 752-0650  
[www.gradstudies.ucdavis.edu/surp/index.html](http://www.gradstudies.ucdavis.edu/surp/index.html)

## Undergraduate Summer Training in Environmental Toxicology

Funded by the National Institute of Environmental Health Sciences, this 8- to 12-week program is designed to encourage and prepare highly qualified undergraduate students from underrepresented groups to attend graduate school and pursue a career in environmental health sciences. Students work full-time in research labs, participate in lab conferences, present written and oral reports on their work, attend seminars on special topics and receive independent study credit. Applicants must be U.S. citizens or permanent residents who will have completed at least one year of undergraduate education by summer. Participants receive a stipend, a living allowance of \$400/month and up to \$500 for moving and travel expenses. In addition, Summer Session fees are provided.

### APPLICATION DEADLINE

Mid-February

### FURTHER INFORMATION

Department of Environmental Toxicology  
One Shields Avenue  
Davis, CA 95616-8588  
Phone: (530) 754-7920  
[www.envtox.ucdavis.edu/niehs\\_summer](http://www.envtox.ucdavis.edu/niehs_summer)

## UC Irvine

### AGEP Summer Research Program

This program, sponsored by the National Science Foundation, is designed to prepare African American, Hispanic, Native American and Pacific Islander students for graduate education. UCI AGEP is open to juniors, seniors and Master's level students in the sciences, technology, engineering and mathematics. The program provides students the opportunity to work closely with UCI faculty mentors and graduate students on exciting research projects during an 8-week summer research program. NSF-AGEP participants are awarded a \$3,000 stipend, are provided with free on-campus housing, graduate school preparation workshops, GRE preparation classes, and roundtrip travel costs to UC Irvine (within program limits).

#### APPLICATION DEADLINE

Mid-February

#### FURTHER INFORMATION

Graduate Division  
120 Aldrich Hall  
Irvine, CA 92697-3180  
Phone: (949) 824-4611  
rgs@uci.edu  
[www.rgs.uci.edu/grad/diversity/agep\\_srp.htm](http://www.rgs.uci.edu/grad/diversity/agep_srp.htm)

### Chemistry Summer Undergraduate Research Fellowship (Chem-SURF)

Chem-SURF provides a 10-week summer research opportunity for undergraduates. Women, underrepresented minorities, and individuals from economically and socially disadvantaged backgrounds are especially encouraged to apply. Under the personal guidance of a UCI faculty mentor, students gain first-hand experience and training in state-of-the-art research facilities. Seminars and workshops provide opportunities to build knowledge and enhance dialogue about chemistry science and applications. Students share their research accomplishments by presenting their findings at the Chem-SURF Research Symposium. In addition to a \$3,500 stipend, students receive free, furnished on-campus housing, travel reimbursement, and ongoing support after the program ends. The Chem-SURF program is funded in part by the National Science Foundation.

#### APPLICATION DEADLINE

Early April

#### FURTHER INFORMATION

Dr. Fillmore Freeman  
Chem-SURF Program  
1113 Natural Sciences II  
Irvine, CA 92697-2025  
Phone: (949) 824-6501  
ffreeman@uci.edu  
[www.urop.uci.edu/chem-surf.html](http://www.urop.uci.edu/chem-surf.html)

### Wendell-Lamar Bonaba Blackwell

*Cell & Developmental Biology, UC Irvine*

As an undergraduate at UCI, I hardly suspected that my studies would so impact the course of my life. A class in the biology of cancer piqued my interest in the field. Today I am finishing my fourth year of doctoral study in UC Irvine's School of Biological Sciences, studying how mammalian cells communicate with their environment.

At UCI, the state-of-the-art equipment and facilities and the outstanding expertise and guidance of the faculty have supplied me with opportunities I never thought possible. My intellectual growth and development has been enhanced by my involvement with diversity initiatives and programs. A "Bridge to the Doctorate" fellowship provided me with support during my first two years of graduate school, and enabled me to present my research to faculty and students within the UC Irvine community. I have served as a mentor to students in the Alliance for Graduate Education and the Professoriate (AGEP) Summer Program, and am a member of UCI's Advisory Council for Diversity.

My next goal is to become a postdoctoral scholar in a pharmaceutical company where I can continue to conduct research on the migration of cancer cells within the body. I am grateful for the opportunities UC Irvine has provided to shape my research and my future.



## Integrated Micro/Nano Summer Undergraduate Research Experience (IM-SURE)

IM-SURE provides a 10-week summer research opportunity for undergraduates. Women, underrepresented minorities, and individuals from economically and socially disadvantaged backgrounds are especially encouraged to apply. Under the personal guidance of a UCI faculty mentor, students gain first-hand experience and training. Seminars and workshops provide opportunities to build knowledge and enhance dialogue about micro/nano-systems engineering and applications. Students present their research at the IM-SURE Research Symposium, and continue to receive ongoing support after the program concludes. Students receive a \$3,000 stipend and free, furnished on-campus housing. The IM-SURE program is funded in part by the National Science Foundation.

### APPLICATION DEADLINE

Mid-March

### FURTHER INFORMATION

Said M. Shokair  
IM-SURE Program  
Student Services II, Suite 2300  
Irvine, CA 92697-5685  
Phone: (949) 824-4189  
shokair@uci.edu  
[www.urop.uci.edu/im-sure.html](http://www.urop.uci.edu/im-sure.html)

## Summer Undergraduate Research Fellowship (SURF)

UC Irvine's 8-week SURF program offers undergraduates from diverse backgrounds an opportunity to work closely with faculty mentors on research projects. The program is intended for students with outstanding academic potential who plan to pursue a Ph.D. and enter academic careers. The program offers research in all fields. Participants receive a research stipend, on-campus housing, graduate school preparation workshops, GRE preparation classes and roundtrip travel costs to UC Irvine (within program limits).

### APPLICATION DEADLINE

Mid-February

### FURTHER INFORMATION

Graduate Division  
120 Aldrich Hall  
Irvine, CA 92697-3180  
Phone: (949) 824-4611  
rgs@uci.edu  
[www.rgs.uci.edu/grad/diversity/surf.htm](http://www.rgs.uci.edu/grad/diversity/surf.htm)

### Aaron Chapman

*Molecular and Cellular Life Science, UC Los Angeles*

As the son of teenage parents, I learned growing up that the decisions one makes have consequences. As an undergraduate in biological sciences at Tuskegee University, I focused on cancer research as a way to help improve the quality of life for future generations. Now, as a first-year graduate student in the ACCESS program at UCLA, I am interested in combining my own cancer research with efforts to show African Americans that the PhD degree is attainable. UCLA provides me a vehicle for doing this via the NSF Alliance for Graduate Education and the Professoriate (AGEP) program. The program provides mentorship, a breadth of research experience, and the opportunity to give back to students earlier in the educational pipeline.



# UC Los Angeles

## Bridge Summer Research Program

The Bridge biomedical research program is a federally funded 9-week summer research program for underrepresented community college students. Students work closely with faculty research teams and attend workshops and seminars on the nature of academic life, standardized test preparation, writing and research skills, and careers involving biomedical research. Participants are appointed as laboratory assistants at \$300 per week. At the end of the program, students give oral presentations describing their research projects.

### APPLICATION DEADLINE

Early March

### FURTHER INFORMATION

Laina Long  
Undergraduate Research Center/Center for Academic and Research Excellence  
Phone: (310) 206-4600  
lainal@lifesci.ucla.edu  
<http://college.ucla.edu/urc-care/prog.htm>

## Center for Research, Education, Training and Strategic Communication on Minority Health Disparities

This federally funded 8-week program is designed for traditionally underrepresented minority students who plan to pursue advanced degrees in health-related fields with a focus on research and a commitment to helping reduce or eliminate health disparities in racial/ethnic minority populations in the United States. Students participate full-time in a research project under the supervision of Center faculty from the life sciences, Chicano studies, medicine, nursing, psychiatry, public health, social welfare, sociology, and urban planning. Participants receive a \$2,400 stipend plus room and board in University housing. Transportation costs are reimbursed as appropriate. Applications are available online in December.

### APPLICATION DEADLINE

Early February

### FURTHER INFORMATION

405 Hilgard Ave  
1285 Franz Hall  
Box 95163  
Los Angeles, CA 90095-1563  
Phone: (310) 206-5265  
cmhd@ucla.edu  
[www.minorityhealthdisparities.org](http://www.minorityhealthdisparities.org)

## Research in Industrial Projects for Students (RIPS)

Sponsored by the Institute for Pure and Applied Mathematics, this program creates teams of four undergraduates paired with faculty mentors and industry liaisons to investigate real-world industrial problems. Students obtain technical and managerial experience and spend two months working on a specific problem posed by an industry sponsor. Students receive a \$2,600 payment for their 9-week participation in RIPS plus room and board. The program also assists with an airfare travel allowance. Applicants should have completed upper-division math classes and have some background in computer programming.

### APPLICATION DEADLINE

Mid-February

### FURTHER INFORMATION

Stacey Beggs  
Institute for Pure and Applied Mathematics  
460 Portola Plaza  
Los Angeles, CA 90095-7121  
Phone: (310) 825-4755  
rips2009@ipam.ucla.edu  
[www.ipam.ucla.edu/programs/rips2008/](http://www.ipam.ucla.edu/programs/rips2008/)

## UCLA Research Experiences for Undergraduates (REU) Physics & Astrophysics Summer Program

Undergraduates enrolled in physics or astrophysics degree programs are invited to apply for this 10-week summer program. Women and students from traditionally underrepresented groups and institutions are encouraged to apply. Students work with a faculty mentor, professors, researchers and graduate students in ongoing experimental or theoretical research programs in physics and astrophysics. Participants attend weekly seminars, receive GRE preparation, write a research report and present their findings at the closing Symposium. Participants network with students in other campus research programs, explore the southern California area and participate in an astronomy camping trip. Participants receive a \$3,500 stipend, housing accommodations and travel costs.

### APPLICATION DEADLINE

Early March

### FURTHER INFORMATION

Physics & Astronomy Department - REU  
Box 951547  
1-707A PAB  
Los Angeles, CA 90095-1547  
Phone: (310) 825-2453  
<http://reu.physics.ucla.edu>

### Science, Engineering and Mathematics Summer Research Program

This 8- to 10-week program provides science, technology, engineering, and mathematics students the opportunity to work closely with UCLA faculty on research projects. The program includes workshops and seminars on the nature of academic life, standardized test preparation, writing and research skills, and career opportunities involving research. Students from diverse backgrounds are encouraged to apply. Program participants are appointed as laboratory assistants at \$300 per week. Room, board, and roundtrip airfare from the student's home to UCLA are provided. Applications are available online in December.

#### APPLICATION DEADLINE

Early February

#### FURTHER INFORMATION

Undergraduate Research Center/  
Center for Academic and Research  
Excellence  
Phone: (310) 206-2182  
care@lifesci.ucla.edu  
www.care.ucla.edu/urc-care/

### The Summer Humanities Institute (SHI)

Sponsored by the UCLA Bunche Center for African American Studies and the Mellon Foundation, this program offers rigorous academic training in the humanities and humanistic science disciplines in preparation for a doctoral degree. These disciplines include anthropology, art history, cultural/critical studies, English, ethnomusicology, history, literature, political science and sociology. Activities include seminars on new humanistic scholarship, skills workshops to enhance preparatory competencies, and cultural immersion and enrichment programs that augment the structured learning experiences. Students receive a stipend for the summer, room, board, and airfare or other travel accommodations. Applications are available online in December.

#### APPLICATION DEADLINE

Early February

#### FURTHER INFORMATION

Dr. Lisbeth Gant-Britton  
Bunche Center for African American Studies  
Phone: (310) 825-9821  
shi@bunche.ucla.edu  
www.bunche.ucla.edu/frames/index.html

### Summer Program in Nursing

This program offers junior nursing undergraduates with outstanding academic potential the opportunity to work on research projects with nursing faculty mentors. The 8-week program is designed for students who plan to pursue the Ph.D. degree and enter academic careers in nursing. GRE preparation and formal and informal discussions on career options are included. Research areas include: biobehavioral sciences, biologic sciences, health disparities/vulnerable populations, and health services research. All program participants (including UCLA undergraduates) are required to reside in assigned University housing. A stipend of \$2,400 is issued in weekly payments of \$300. Roundtrip transportation is reimbursed up to \$200 for in-state travel and up to \$450 for out-of-state travel. Applications are available online in December.

#### APPLICATION DEADLINE

Early February

#### FURTHER INFORMATION

Rhonda Flenoy Younger  
School of Nursing  
Phone: (310) 825-9193  
rflenoy@sonnet.ucla.edu  
www.nursing.ucla.edu/research/  
http://summerresearchprogram.html

### UCLA Summer Program for Undergraduate Research (SPUR)

The SPUR program offers talented undergraduates in the arts, humanities, social sciences, and some professional schools the opportunity to work closely with faculty mentors on research projects. The program is designed to help participants pursue academic careers in teaching and research. The 8-week program also features workshops and seminars on GRE preparation, writing and research skills, preparing an effective statement of purpose, and applying to graduate school. Underrepresented minorities and students who may be economically or socially disadvantaged are encouraged to apply. Participants receive a \$2,400 stipend plus room and board in University housing. Transportation costs are reimbursed as appropriate. Applications are available online in December.

#### APPLICATION DEADLINE

Early February

#### FURTHER INFORMATION

Graduate Division, Graduate Outreach,  
Diversity & Fellowships  
Phone: (310) 825-3521  
gdivision@gdnet.ucla.edu  
www.gdnet.ucla.edu/asis/srp/srpintro.htm

## UC Merced

### AGEP Summer Research Program

UC Merced's AGEP Summer Research Program is sponsored by the National Science Foundation. The program is designed to prepare underrepresented minority students for graduate education, and is open to juniors, seniors and Master's level students in the sciences, technology, engineering and mathematics fields. The program provides students the opportunity to work closely with UCM faculty mentors and graduate students on exciting research projects during an 8-week summer research program. AGEP Scholars are awarded a \$3,000 stipend and have the opportunity to participate in GRE and graduate school preparation workshops, field trips to world-renowned research laboratories and many others benefits.

#### APPLICATION DEADLINE

Late March

#### FURTHER INFORMATION

Graduate Division  
5200 N. Lake Road  
Merced, CA 95343  
Phone: (209) 228-4723  
graddiv@ucmerced.edu  
<http://graduatedivision.ucmerced.edu/>

### Yosemite Research Experiences for Undergraduates (REU) Program

This 9-week program offers a great summer research experience for undergraduate students. The program supports many research areas including those in the sciences, technology, engineering and mathematics fields. Students will participate in a unique blend of hands-on fieldwork at Yosemite National Park and laboratory experience, either at UC Merced, or at the USGS Western Ecological Research Center in El Portal. Participants will receive a stipend of \$3,600 as well as housing and meals.

#### APPLICATION DEADLINE

Mid-March

#### FURTHER INFORMATION

Dr. Benoit Dayrat  
Yosemite REU  
5200 N. Lake Road  
Merced, CA 95343  
bdayrat@ucmerced.edu  
<http://qsb.ucmerced.edu/faculty/bdayrat/lab/REU.html>

### Center for Computational Biology Undergraduate Internship Program

The UC Merced Center for Computational Biology offers a unique summer internship experience for students wishing to explore the field of computational biology. Students will learn computational and mathematical modeling methods by applying them to biological questions ranging from the molecular to the cellular level. Students will attend classes taught by core faculty and staff and will have the opportunity to work with scientists applying this knowledge towards their projects. The 6-week program provides students a stipend, a week-long workshop and research experience at the University of Illinois National Center for Supercomputing Applications (NCSA) and many other benefits.

#### APPLICATION DEADLINE

Mid-March

#### FURTHER INFORMATION

Dr. Masa Watanabe  
5200 N. Lake Road  
Merced, CA 95343  
mwatanabe@ucmerced.edu  
<http://ccb.ucmerced.edu>

#### **Yvonne Rodriguez** *Physics, UC Santa Cruz*

After high school I joined the Air Force, married, and became a mother of three. Upon completion of my assignment, I enrolled at Chabot Community College in Hayward, becoming the first person in my family to attend college. The Puente Project at Chabot first introduced me to UCSC, and I was so impressed with the campus that when it came time for me to transfer, UCSC was the only campus to which I applied.

As an undergraduate, each day I traveled from Hayward to Santa Cruz by bus. I originally planned to study Chicana poetry, but after enrolling in an Earth Catastrophes course, I discovered I wanted to major in physics. I was able to find part-time work related to this field, mapping the Monterey Bay floor with the U.S. Geological Survey and working with UCSC's ACademic Excellence (ACE) honors program.

As an undergraduate, I received support from the Educational Opportunities Program (EOP), and Services for Transfer and Re-entry Students (STARS). As a graduate student, I receive support from the Alliance for Graduate Education and the Professoriate (AGEP), work for EOP, and teach a pre-calculus course for Bridge, a program that helps students transition from high school to the university.

I remember how unfamiliar I was with university life growing up. But I know my children have benefited from their experience growing up on the UCSC campus. Today, two of my children are enrolled at California universities, and one of them recently graduated from UC!



## UC Riverside

### Bioengineering Research Institute for Technical Excellence (BRITE)

This program provides students the opportunity to conduct research in fundamental science and engineering based on recent advances in recognizing and exploiting genomic, proteomic and metabolic patterns in cells. Participants in this 10-week program engage in faculty-mentored laboratory research, as well as social and professional development activities. Participants receive a \$4000 stipend, a travel allowance, and housing for out-of-town students. The BRITE program is funded by the National Science Foundation.

#### APPLICATION DEADLINE

Mid-April

#### CONTACT INFORMATION

Jun Wang  
Bourns College of Engineering  
Phone: (951) 827-2708  
brite@enr.ucr.edu  
www.enr.ucr.edu/brite

### Mentoring Summer Research Internship Program (MSRIP)

This 8-week intensive program offers hands-on research experiences, under close faculty mentorship, to juniors, seniors, and first-year Master's students from diverse backgrounds who are pursuing graduate degrees (preferably the Ph.D.). Student-faculty matches are based on research interests and availability. MSRIP has positions available across many disciplines, from the humanities and social sciences to life and physical sciences, math and engineering. Workshops and seminars prepare students to take the GRE, apply to graduate school, find financial support, learn about academic and research ethics, and understand the graduate student experience. Research talks at the end of the program highlight the work of the student researchers. The program offers a \$3,000 stipend, airfare and room and board (for students living outside the local area).

#### APPLICATION DEADLINE

Mid-February

#### FURTHER INFORMATION

Maria Franco-Aguilar  
Academic Preparation and Outreach  
Graduate Division-045  
Riverside, CA 92521-0208  
Phone: (951) 827-3680  
maria.franco@ucr.edu  
www.graduate.ucr.edu/MSRIP.html

### Research Experiences for Undergraduates (REU) Program

The Center for Plant Cell Biology (CEPCEB), in association with the Institute for Integrative Genome Biology, is committed to providing fulfilling research experiences to undergraduates. As a National Science Foundation Research Experiences for Undergraduates site, CEPCEB provides research experiences to students of 2- and 4-year colleges who have limited opportunity to learn about the career options in plant cell biology. Eight to twelve qualified students are selected to participate in a stimulating 10-week residential summer research program. Each student has a faculty and a graduate or postgraduate mentor. Students are introduced to the basics of plant cell biology as well as developing areas in plant cell biology in which UCR has expertise, including genomics, proteomics and bioinformatics, through a series of lecture/laboratory exercises. Students participate in workshops to enhance learning skills and professional development, and to discuss ethics in science. Students receive a \$3,600 stipend, meal allowance and on-campus housing.

#### APPLICATION DEADLINE

Mid-April

#### FURTHER INFORMATION

Dr. Patricia Springer  
The Center for Plant Cell Biology  
Department of Botany and Plant Sciences  
Riverside, CA 92521-0208  
Phone: (951) 827-5785  
patricia.springer@ucr.edu  
www.cepceb.ucr.edu/about/REUafter2005.htm

### Research Experiences for Undergraduates Program (REU) Program in Bioanalytical Sciences

The UCR REU site in Bioanalytical Sciences pairs qualified 2- and 4-year college students with faculty in analytical chemistry, physics or chemical engineering to develop new technologies leading to important breakthroughs in our understanding of complex biological processes. Eight students are selected to participate in a stimulating 10-week residential summer research program. Each student has both a faculty and a graduate student or postgraduate mentor. Students receive a \$4,000 stipend and room and board.

#### APPLICATION DEADLINE

Late March

#### FURTHER INFORMATION

Dr. Cindy Larive  
Department of Chemistry  
Riverside, CA 92521-0208  
Phone: (951) 827-2990  
clarive@ucr.edu  
http://research.chem.ucr.edu/groups/larive/reu/

## Summer Undergraduate Nanoscale Research Institute for Science and Engineering (SUNRISE)

Through the SUNRISE program, students will explore the fundamental science and technology that underlies new approaches to information processing and transmission. This Research Experiences for Undergraduates program in Nanomaterials and Devices provides sixteen students the opportunity to research this interdisciplinary area. Students will join dozens of other undergraduate researchers on campus for a summer of fun and science. Students receive a \$4,000 stipend for this 10-week program.

### APPLICATION DEADLINE

Early March

### FURTHER INFORMATION\

Jun Wang  
Bourns College of Engineering

Phone: (951) 827-2708  
sunrise@enr.ucr.edu  
www.enr.ucr.edu/sunrise

## UC San Diego

### Amgen Scholars Program

This program provides an 8-week, full-time research experience for undergraduates, supported by the Amgen Foundation. The objectives of the program are: to provide students with the skills to become research scholars; to stimulate students' serious consideration of graduate study; and to increase learning and networking opportunities for students committed to pursuing either a professional or academic research career in biological sciences or bioengineering. Amgen scholars will receive stipend support, on-campus housing and board allowance. Participants will conduct research for 30 hours a week, participate in a GRE preparation program and present their research at a mid-summer national gathering of Amgen scholars and at the UCSD Summer Research Conference.

### APPLICATION DEADLINE

Late January/Early February

### FURTHER INFORMATION

UCSD Amgen Scholars Program  
Academic Enrichment Programs  
9500 Gilman Drive, MC 0311  
La Jolla, CA 92093-0311  
Phone: (858) 534-9925  
<http://aep.ucsd.edu/amgen/>

### Calit2 Summer Undergraduate Research Scholar Program

This program provides college students with the opportunity to perform hands-on research under the guidance of a UCSD faculty advisor over a 10-week period. The student can either assist in an ongoing research project or propose a new project related to telecommunications and information technology. Students will attend weekly seminars to learn more about applying to and preparing for graduate school, funding opportunities for research, connecting with current graduate students, career opportunities in academia and industry, and making scientific presentations. All participants will display the results of their research efforts at a poster session at the end of the program. Approximately 30 scholarships are available each year. Each participant receives a \$5,000 stipend.

### APPLICATION DEADLINE

Early March

### FURTHER INFORMATION

Lovella Cacho  
Program Coordinator  
9500 Gilman Drive, MC 0436  
La Jolla, CA 92093-0436  
Phone: (858) 822-1943  
ugradprogram@calit2.net  
<http://ucsdstudents.calit2.net>

### Marine Physical Laboratory Summer Research Internship Program (MPLSRIP)

This 10-week program offers juniors and seniors the opportunity to work with oceanographers who are currently doing research in a variety of ocean sciences. Students may also have the opportunity to take sea trips throughout the summer. Majors in physics, engineering, applied mathematics, and chemistry are encouraged to apply. This program is open to U.S. citizens and permanent residents. Summer Intern salary will be \$12.00 per hour, not to exceed 40 hours per week. Room, board, and transportation are not provided by the program.

### APPLICATION DEADLINE

Early March

### FURTHER INFORMATION

Marine Physical Laboratory  
Scripps Institution of Oceanography  
9500 Gilman Drive, MC 0205  
La Jolla, CA 92093-0205  
Phone: (858) 534-7906  
<http://mpl-internship@ucsd.edu>  
[www-mpl.ucsd.edu/](http://www-mpl.ucsd.edu/)

### Physics Research Experience for Undergraduates (REU)

Funded by the National Science Foundation, this 10-week program provides mentored research experiences in physics. Applicants must be U.S. citizens or permanent residents who are enrolled in an accredited undergraduate program. Program participants receive a \$3,300 stipend, university housing, and round-trip transportation.

### Research Experience for Undergraduates (REU) in Regenerative Medicine, Multi-Scale Bioengineering, and Systems Biology

This exciting summer program provides undergraduate students access to state-of-the-art facilities, the opportunity to work with accomplished and experienced faculty mentors, and to participate in highly collaborative, cutting-edge research projects. In addition to the training students receive in individual research laboratories, extensive professional development opportunities will be provided through weekly workshops, an undergraduate research conference, panel discussions, and GRE preparation courses. In addition, program participants receive a \$4,000 stipend, free on-campus housing or housing allowance, and free travel to and from San Diego.

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

The STARS program is a rigorous 8-week summer research internship in which students participate in mentored research experiences, a GRE preparation course, graduate school preparation workshops and scientific lectures on current research in preparation for the challenges of doctoral programs. Students complete a scientific research paper and present their research at the UCSD Summer Research Conference. Each year 10 students are funded through the National Science Foundation. To qualify, a participant must be ethnically underrepresented, a rising junior or senior, or a recent graduate interested in research in science, engineering or math. Additional participants may also come funded through their home campus from programs such as NIH MARC, NIH RISE, McNair, Howard Hughes Medical Institute and other funding sources.

### Summer Undergraduate Research Fellowships in Pharmacology (PHARMACOLOGY SURF)

This 10-week research and training program is for sophomores and juniors interested in pursuing a Ph.D. training in the basic biomedical sciences, with an emphasis in cell and molecular pharmacology. See the department's website: [http://pharmacology.ucsd.edu/Research\\_Faculty/Faculty.asp](http://pharmacology.ucsd.edu/Research_Faculty/Faculty.asp) for faculty research interests. Students receive a \$3,000 stipend plus room and board. Transportation expenses are not reimbursed.

### Summer Undergraduate Research Fellowship (MSTP SURF)

Offered by Medical Scientist Training Program (MSTP), this federally funded 8-week program is designed for motivated ethnically underrepresented undergraduates who have completed their freshman year toward a bachelor's degree in biological sciences. Research is conducted in the areas of cardiovascular, pulmonary, hematologic, and sleep disorders. Applicants must be interested in learning about a physician-scientist career. Students receive a stipend and housing; meals are not provided. Travel is reimbursed up to \$600.

#### APPLICATION DEADLINE

Mid-February

#### FURTHER INFORMATION

Patrice Hey, Department of Physics  
9500 Gilman Drive, MC 0262  
La Jolla, CA 92093-0262  
Phone: (858) 822-1468  
[reu@physics.ucsd.edu](mailto:reu@physics.ucsd.edu)  
[www-physics.ucsd.edu](http://www-physics.ucsd.edu)

#### APPLICATION DEADLINE

Mid-February

#### FURTHER INFORMATION

Melissa Kurtis Micou, Ph.D.  
Department of Bioengineering  
9500 Gilman Drive, MC 0412  
La Jolla, CA 92093-0412  
Phone: (858) 822-1087  
[nsfreu@bioeng.ucsd.edu](mailto:nsfreu@bioeng.ucsd.edu)  
<http://nsfreu.be.ucsd.edu/>

#### APPLICATION DEADLINE

Mid-February

#### FURTHER INFORMATION

Office of Graduate Studies  
9500 Gilman Drive, MC 0003  
La Jolla, CA 92093-0003  
Phone: (858) 534-3678  
[urstars@ucsd.edu](mailto:urstars@ucsd.edu)  
<http://ogs.ucsd.edu/stars>

#### APPLICATION DEADLINE

Mid-January

#### FURTHER INFORMATION

Pat Luetmer, Department of Pharmacology  
9500 Gilman Drive, MC 0636  
La Jolla, CA 92093-0636  
Phone: (858) 822-4107  
[pharmaeducation@ucsd.edu](mailto:pharmaeducation@ucsd.edu)  
[http://pharmacology.ucsd.edu/Other\\_Academic\\_Programs/SURF.asp](http://pharmacology.ucsd.edu/Other_Academic_Programs/SURF.asp)

#### APPLICATION DEADLINE

Late February/Early March

#### FURTHER INFORMATION

Mary Alice Kiisel  
Phone: (800) 925-8704  
[mstp@ucsd.edu](mailto:mstp@ucsd.edu)  
<http://meded.ucsd.edu/mstp/surf/>



### David Menilla

*English, UC Berkeley*

As a first-generation Mexican American whose parents immigrated illegally into this country, I did not grow up in an atmosphere conducive to graduate education. As an undergraduate at CSU Dominguez Hills majoring in English and Philosophy, I became motivated to challenge myself further. Graduate school at UC Berkeley presented me with the mix of an intellectual environment, political activism, and a department where I could thrive. I have found Berkeley to be a place where you can think outside of the box, be yourself, and create your own education. Now in my fifth year of doctoral study in English, I look forward to teaching, continuing my pursuit for knowledge, and helping others to achieve their goals.

## UC San Francisco

### Amgen Scholars Program

Supported by a grant from the Amgen Foundation, this program provides summer research opportunities at UCSF in science and biotechnology. This 10-week program allows students to work with faculty mentors in research labs or programs that match their interests. Participants are responsible for completing a research project. Students attend seminars on scientific and professional development. Participants will join other Amgen Scholars from across the country at a symposium where they will share their research findings through posters and oral presentations. Participants receive a \$3,750 stipend plus \$1,300 subsistence allowance, round-trip travel expenses, a local transportation pass, and shared housing off campus.

#### APPLICATION DEADLINE

Early February

#### FURTHER INFORMATION

Don Woodson  
Graduate Division  
1675 Owens St. Rm CC310  
San Francisco, CA 94143-0523  
Phone: (415) 514-0840  
Donald.Woodson@ucsf.edu  
<http://saa.ucsf.edu/summerprogram/>

### Undergraduate Summer Research Training Program

The program, funded by the National Institute of Mental Health, the National Science Foundation, and other sources aims to select participants from groups traditionally underrepresented in graduate health sciences education. This 10-week intensive summer research program is for undergraduates in the life sciences, chemical sciences, bioengineering, biomedical informatics, medical sociology, psychology, nursing science, or physical therapy. Working with faculty mentors in research labs or programs that match their interests, participants are responsible for completing a research project. At the end of the program, students give poster and oral presentations of their work. Students attend seminars on scientific and professional development. Participants receive a \$3,750 stipend plus \$1,300 subsistence allowance, round-trip travel expenses, a local transportation pass, and shared housing off campus.

#### APPLICATION DEADLINE

Early February

#### FURTHER INFORMATION

Don Woodson  
Graduate Division  
1675 Owens St. Rm CC310  
San Francisco, CA 94143-0523  
Phone: (415) 514-0840  
Donald.Woodson@ucsf.edu  
<http://saa.ucsf.edu/summerprogram/>

## Molecular Bioscience Research Experience for Undergraduates (REU)

Funded by a grant from the National Science Foundation, this program combines an outstanding laboratory experience with activities designed to foster scientific communication and facilitate a transition to graduate school. This 10-week program allows students to work with faculty mentors in research labs or programs that match their interests; participants are responsible for completing a research project. At the end of the program, students give poster and oral presentations of their work. Students attend seminars on scientific and professional development. Participants receive a \$3,750 stipend plus \$1,300 subsistence allowance, round-trip travel expenses, a local transportation pass, and shared housing off campus.

### APPLICATION DEADLINE

Early February

### FURTHER INFORMATION

Don Woodson  
Graduate Division  
1675 Owens St. Rm CC310  
San Francisco, CA 94143-0523  
Phone: (415) 514-0840  
Donald.Woodson@ucsf.edu  
<http://saa.ucsf.edu/summerprogram/>

## UC Santa Barbara

### Academic Research Consortium (ARC)

The goal of ARC is to encourage and prepare talented undergraduate students from disadvantaged and/or diverse backgrounds to apply to UC Ph.D. programs. ARC is an 8-week summer research program for domestic undergraduates who have completed their junior year and are considering graduate study, and for CSU Pre-Doctoral Scholars. Prospective students in all fields offered at UCSB in the social sciences, humanities and fine arts, education, environmental science and management, science, engineering, and mathematics fields may apply. ARC participants engage in graduate-level research projects with a UCSB faculty member. Students also participate in various activities designed to develop the skills necessary for success at the graduate level, from funding workshops and a writing class, to GRE preparation and career guidance. The program provides a stipend, room, board, and other expenses.

### APPLICATION DEADLINE

Early February 1, 2008

### FURTHER INFORMATION

Graduate Division  
Office of Diversity, Recruitment, and Retention  
3117 Cheadle Hall  
Santa Barbara, CA 93106-2070  
Phone: (805) 893-2277  
arc@graddiv.ucsb.edu  
[www.graddiv.ucsb.edu/diversityoutreach/arc/](http://www.graddiv.ucsb.edu/diversityoutreach/arc/)

### Internships in Nanosystems Science, Engineering and Technology (INSET)

This 8-week program brings science, social science, and engineering community college undergraduates to UC Santa Barbara for a summer research experience. Approximately 14 internships are awarded in all areas of science or engineering within the California Nanosystems Institute. Interns gain first-hand experience in scientific investigation in a dynamic, collaborative research environment. They are matched individually with faculty and graduate student lab mentors, who provide training and support. Interns attend weekly meetings, seminars, and have the opportunity to develop presentation skills. Interns receive a \$3,000 stipend, plus up to \$900 for housing expenses. Students arrange their own meals. Travel costs to and from UCSB are provided.

### APPLICATION DEADLINE

Late February

### FURTHER INFORMATION

Jens-Uwe Kuhn  
INSET Program  
California NanoSystems Institute  
Santa Barbara, CA 93106-6105  
Phone: (805) 893-8564  
inset@cnsi.ucsb.edu  
<http://education.cnsi.ucsb.edu/inset.html>

### Research Internships in Science and Engineering (RISE)

This program seeks approximately 15 undergraduate science and engineering majors who are interested in pursuing a 10-week summer research experience in a dynamic, collaborative research environment. Interns participate in weekly group meetings to develop oral presentation skills, attend special seminars and present their results at an end-of-summer poster session. Students receive a stipend of \$3,800, plus up to \$1,000 for housing expenses or free arranged accommodations, and up to \$500 for travel to and from the UCSB campus.

### APPLICATION DEADLINE

Mid-February

### FURTHER INFORMATION

Dr. Julie Standish  
Materials Research Laboratory  
Santa Barbara, CA 93106-5121  
Phone: (805) 893-5314  
rise@mrl.ucsb.edu  
[www.mrl.ucsb.edu/mrl/outreach/educational/RISE/](http://www.mrl.ucsb.edu/mrl/outreach/educational/RISE/)

## UC Santa Cruz

### Center for Adaptive Optics Research Internships on the Mainland (CfAO)

This program is an intensive, 8-week research experience emphasizing adaptive optics, a method to sharpen the images produced by optical systems such as telescopes, cameras, and the human eye. Each student works in a research group chosen depending on interest. During the program, interns receive a stipend plus housing, roundtrip travel from home, and travel for other scheduled activities. An additional supplement may be possible during the academic year. The program is available to students from community colleges and four-year universities.

#### APPLICATION DEADLINE

Mid-February

#### FURTHER INFORMATION

Center for Adaptive Optics  
Santa Cruz, CA 95064  
Phone: (831) 459-5592  
hiliary@ucolick.org  
<http://cfao.ucolick.org/EO/internshipsnew/mainland/>

### Biomimetic MicroElectronic Systems Engineering Research Program (REU)

This 8-week program for undergraduate students is funded by the National Science Foundation. The program is held in Los Angeles at the University of Southern California and is a collaboration between UCSC, California Institute of Technology, and USC. This program allows students to contribute to the development of novel biomimetic microelectronic systems based on fundamental principles of biology. The BMES ERC invites talented undergraduates to participate in active research projects and work alongside world-renowned researchers and students, receive a \$3,200 stipend, plus housing and travel support.

#### APPLICATION DEADLINE

Mid-April

#### FURTHER INFORMATION

Biomimetic MicroElectronic Systems Engineering Research Center  
University of Southern California  
1450 San Pablo Street, DVRC 130  
Los Angeles, CA 90033-1035  
dsabogal@usc.edu  
<http://bmes-erc.usc.edu/education/reu.htm>

### Research Experience for Undergraduates in Organic Chemistry (REU)

Through this program, students will have the opportunity to study in Bangkok, Thailand in a 10-week summer program at Chulalongkorn University, Mahidol University, and the Chulabhorn Research Institute. A short course on Thai language is provided; research will be carried out in English as the primary language. A stipend, airfare, and housing are provided.

#### APPLICATION DEADLINE

Early February

#### FURTHER INFORMATION

REU-Thailand Program  
Department of Chemistry and Biochemistry  
Santa Cruz, CA 95064  
thaireu@chemistry.ucsc.edu  
[www.chemistry.ucsc.edu/Projects/ThaiREU/](http://www.chemistry.ucsc.edu/Projects/ThaiREU/)

### Summer Undergraduate Research Fellowship (SURF)

Juniors in chemistry and biochemistry from outside institutions are invited to participate in an intensive, hands-on research experience in an active, modern laboratory under the personalized mentorship of UCSC faculty. This program is designed to introduce participants to the scientific endeavor in a professional setting: from the library to the laboratory to communication of the work in both written and oral form. Students receive a stipend and on-campus housing for the 10-week period.

#### APPLICATION DEADLINE

Mid-February

#### FURTHER INFORMATION

SURF program  
Department of Chemistry and Biochemistry  
Santa Cruz, CA 95064  
Phone: (831) 459-4002  
surf@chemistry.ucsc.edu  
[www.chemistry.ucsc.edu/Projects/surf/](http://www.chemistry.ucsc.edu/Projects/surf/)

### Summer Undergraduate Research Fellowship in Information Technology (SURF-IT)

Juniors or seniors in computer engineering, computer science, electrical engineering, bioinformatics, or a similar area can receive a stipend while participating in an intensive and personalized summer program for women, minority, or disadvantaged undergraduates. Participants perform research directly supervised by a UCSC faculty member and attend weekly career and professional development seminars. Students receive a stipend, room and board and travel expenses.

#### APPLICATION DEADLINE

Mid-March

#### FURTHER INFORMATION

SURF-IT  
School of Engineering  
Santa Cruz, CA 95064  
surf-it@soe.ucsc.edu  
[www.soe.ucsc.edu/research/undergraduate/surf-it/](http://www.soe.ucsc.edu/research/undergraduate/surf-it/)