

**"CAMP helped me ease the change from a small community college and gave me a shoe-in to a multitude of programs, research areas and scholarships."**

—B. Fraga, Molecular Synthesis, UC San Diego



### PROGRAM GOALS AND IMPACT

CAMP's primary goal is to significantly increase the number of B.S. degrees granted to underrepresented minority students in science, technology, engineering and mathematics at the University of California. This is achieved through student retention and development activities that support progress toward degree completion and preparation for graduate school. Our collective efforts have contributed to a 122% increase in degrees granted by UC from program inception, for a total of 15,092 baccalaureate degrees awarded from "baseline year" 1990-91 through 2006-07. About 900 students receive support annually. Additionally, through academic development and research experiences, students are prepared for admission to prestigious graduate schools. LSAMP is the National Science Foundation's flagship program for increasing diversity and revitalizing the nation's talent pool in STEM fields.

## CAMP

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ALLIANCE FOR MINORITY  
PARTICIPATION

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TECHNOLOGY  
ENGINEERING  
MATHEMATICS

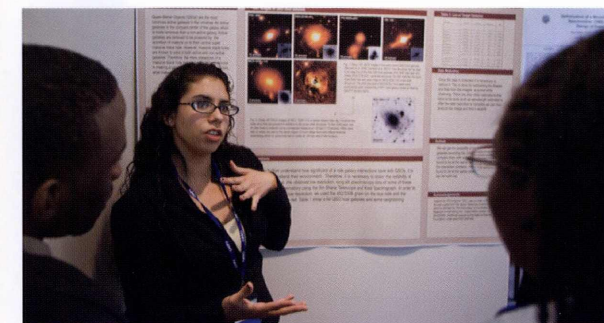


Funded by the National Science Foundation  
University of California, Irvine, lead campus  
A tradition of student support since 1991

Berkeley ~ Davis ~ Irvine ~ Los Angeles ~ Riverside ~ San Diego ~ Santa Barbara ~ Santa Cruz

### MISSION

The California LSAMP (locally known as "CAMP") is dedicated to UC undergraduate achievement in science, technology, engineering and mathematics—STEM. Faculty mentored research experience is the foundation, providing the preparation and impetus for graduate studies. UC faculty see creative research as one of the best ways to prepare students for persistence toward the B.S. degree and success in graduate school. Our efforts affirm that scientists and engineers are best developed by other scientists and engineers serving as mentors who exhibit and expect scholarly excellence.



### UNIVERSITY OF CALIFORNIA LSAMP "CAMP"

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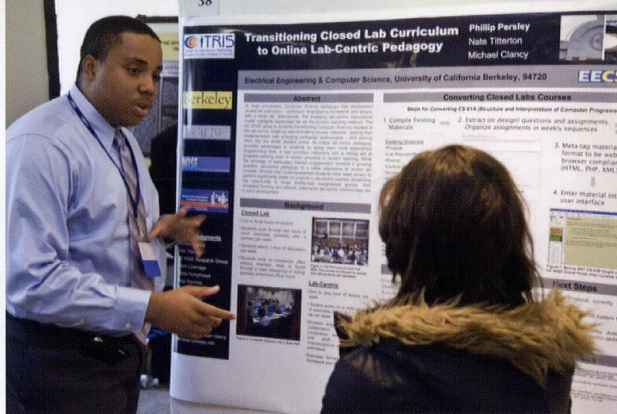
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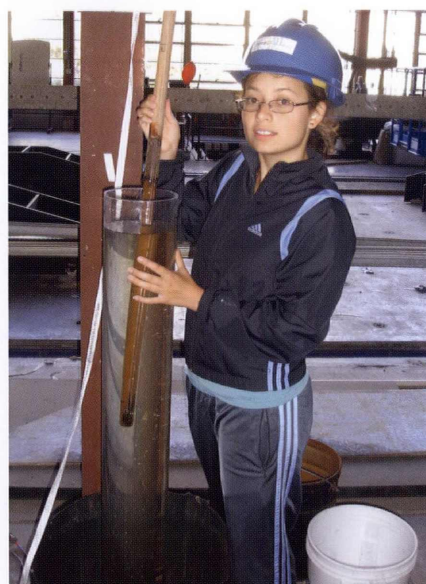
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## BACKGROUND

The California Alliance for Minority Participation, CAMP, is one of 37 national alliances funded by the National Science Foundation and named for The Honorable Louis Stokes, the first African American member of Congress from the State of Ohio, and a champion of education for the underserved. The University of California, Irvine serves as lead campus and administrative center for the alliance. Primary partners are the University of California campuses at Berkeley, Davis, Irvine, Los Angeles, River-side, Santa Barbara, Santa Cruz, and San Diego. The program began in 1991-92 and is currently in its fourth funding cycle— "Phase IV."



**"CAMP is an invaluable opportunity to develop one's academic potential and professional skills."**

—V. Ochoa, Biochemistry and Molecular Biology, UC Irvine

**The UC LSAMP has created a system-wide network of faculty, program staff, and students working toward common goals, including completion of the B.S. degree and preparation for and transition to graduate school or the scientific workplace.**

**New opportunities for international activities, with leveraged funding, broaden student horizons. Graduate degrees in STEM, particularly the Ph.D., enable students to compete for top jobs in the global scientific and engineering workforce.**

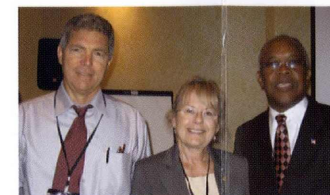
**"CAMP has given me the opportunity to meet students who enjoy the sciences."**

—A.I. Acevedo-Cabrera, Geophysics, UC Berkeley

## PROGRAM COMPONENTS

The personal commitment of faculty mentors, program staff, and peer mentors at each UC partner provides the foundation for undergraduate support. Often, the expressed support of one individual can make a difference in student academic attainment. While program components may vary on each campus, there is consistency in the types and array of available student support activities. Each UC offers opportunities for laboratory research experiences, a key building block for graduate education in the sciences and engineering. Collaboration among the UCs enables summer opportunities for research at a sister campus. Retention and enrichment activities include:

- Peer mentoring/peer counseling
- Academic advising and tutorials
- Strategies for success in test taking and time management
- Involvement in on-going research
- Technical training in the laboratory
- Guided development of a research poster
- Career counseling and job fairs
- Access to summer internships
- Advising on financial aid
- Graduate school admission test prep
- Professional development workshops
- Travel to professional conferences
- Opportunities to serve as role models for K-12 math and science students



## SYSTEMWIDE OUTCOMES

CAMP partners have set and achieved shared goals that result in:

- Expanded research opportunities for undergraduates
- A sense of community among new and continuing students
- The Statewide Undergraduate Research Symposium
- Connectivity with related UC and NSF initiatives, such as the REUs and international research
- Steady increase in B.S. degree completion rates
- Steady increase in STEM enrollment rates
- Increased applications to graduate studies
- Increased enrollment in prestigious graduate programs
- Strong representation at national STEM meetings and conferences
- Corporate support for community college STEM transfers to the University of California



**"I have never in my life had the experience of presenting my research prior to CAMP."**

—N. Klanfer, Physiological Science, UCLA