

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.

"I want the world to see what I can accomplish and I feel that with practice I will gain the confidence and skills necessary to do so. I can't thank you CAMP and Academic Enrichment Programs enough for this great opportunity."

UC San Diego Presenter,
CAMP Statewide Undergraduate
Research Symposium



CALIFORNIA ALLIANCE FOR MINORITY PARTICIPATION IN SCIENCE, ENGINEERING AND MATHEMATICS

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**California Louis Stokes
Alliance for Minority
Participation in
Science, Engineering
and Mathematics**

**Featuring the
Bridge to the Doctorate
Supplemental Activity**

University of California, Irvine, lead campus
A tradition of student support since 1991

Funded by the National Science Foundation

www.california-lsamp.uci.edu

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Berkeley

California Alliance for Minority Participation in Science, Engineering, and Mathematics

BACKGROUND

The California Alliance for Minority Participation in Science, Engineering and Mathematics, 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. Main partners include the University of California campuses at Berkeley, Davis, Irvine, Los Angeles, Riverside, Santa Barbara, Santa Cruz, and San Diego. The 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 shared efforts have contributed to a 96% increase in degrees granted by UC from program inception (1990-91), for a total of 13,725 baccalaureate degrees awarded through 2005-06. The Bridge to the Doctorate (BD) supplemental activity supports newly enrolled graduate students with the goal of achieving the doctorate. Host campuses for the BD cohorts are UCLA, UC Irvine, UC San Diego, and UC Davis, with the newest site at UC Riverside, commencing Fall 2007.

The Annual CAMP Symposium is often the first research event that our best undergraduates attend. The stimulating, interactive and supportive environment opens many doors and provides much insight and inspiration for our students."

—Laina Long, UCLA CAMP Program Coordinator



CALIFORNIA LSAMP "CAMP" - california-lsamp.uci.edu

STATEWIDE ADMINISTRATION

MICHAEL V. DRAKE, M.D., Chancellor, UC Irvine, P.I.
 JUAN FRANCISCO LARA, PH.D., Executive Director
 MARJORIE DEMARTINO, MFA, Associate Executive Director

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 provides 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
- Guided development of a research poster
- Involvement in on-going research
- Technical training in the laboratory
- Career counseling and job fairs
- Access to summer internships
- Advising on opportunities for financial aid
- Graduate school admissions test prep courses
- Providing a place where students can meet and study
- Professional development workshops
- Travel to professional conferences and symposia
- Opportunities to serve as role models for K-12 students

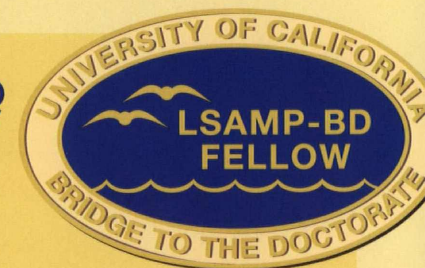


SYSTEMWIDE OUTCOMES

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
- Collaborations with related UC and NSF initiatives
- Steadily increasing B.S. degree completion rates
- Steadily increasing STEM enrollment rates
- Increased applications to graduate education
- Increased enrollment in prestigious graduate programs
- Strong CAMP representation at national professional meetings and conferences
- Five cohorts of Bridge to the Doctorate graduate students: UCLA, UC Irvine, UC San Diego, UC Davis, UC Riverside, for a total of 58 graduate students receiving support

BRIDGE TO THE DOCTORATE (BD) LSAMP SUPPLEMENTAL ACTIVITY



The National Science Foundation, through the Division of Human Resource Development, provides funding for cohorts of 12 newly enrolled minority graduate students who have participated in LSAMP. The long-term goal is completion of the Ph.D. The first two years are especially critical for students enrolling in graduate education, and with BD support the financial worries are significantly reduced by funding for fees (\$10,500 per year for two years, per student) and by a cost of living stipend (\$30,000 per year for two years, per student), for a total package of \$81,000 over two years. Students focus on coursework and research interests, and are encouraged to attend professional conferences. The California Alliance is among a growing group of LSAMPs who help meet the national goal of significantly increasing the number of new doctoral degree recipients from underrepresented groups. The BD is the new cornerstone for Phase IV funding (Nov. 1, 2006 - Oct. 31, 2011). The BD fellows are future scientists and faculty members for the University of California and the nation.