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CALIFORNIA STATE UNIVERSITY LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION

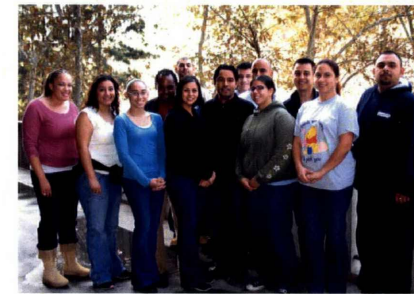
CSU-LSAMP



Guy West Bridge
California State University, Sacramento

About CSU-LSAMP

The California State University Louis Stokes Alliance for Minority Participation (CSU-LSAMP), with NSF support, was initiated in 1993 to serve as a comprehensive, California State University (CSU) statewide program dedicated to broadening participation in STEM disciplines. At the time the Alliance was established, it included 16 campuses of the California State University and was gradually expanded to include all 22 full-service comprehensive universities of the CSU. The only CSU campus that is not included is The California Maritime Academy, which is a unique and specialized campus of the CSU. Hence, this project is truly a comprehensive effort of the CSU, the largest system of public higher education in the world, located in the largest and most diverse State in the Nation.



Bridge to the Doctorate, Cohort 3
California State University, Los Angeles

ALLIANCE GOALS

As a Senior-level LSAMP, CSU-LSAMP's specific goals for 2008-2013 include the following:

- (1) continue to enhance student performance, success, and retention in STEM disciplines, as well as maintain or increase baccalaureate degree production;
- (2) facilitate the transition of community college students in their first year of transfer to a CSU campus through activities that improve the retention rates of transfer students;
- (3) continue to enhance student interest in research and careers in STEM, as well as enhance the global awareness of CSU-LSAMP students;
- (4) increase the number of students who are admitted to graduate programs and obtain doctoral degrees in STEM; and

- (5) document, disseminate, and replicate undergraduate intervention models that increase access to, and success in, STEM baccalaureate degree programs and facilitate undergraduate admissions to STEM graduate programs.

ALLIANCE OBJECTIVES

As a Senior-level LSAMP, CSU-LSAMP's specific objectives for 2008-2013 include the following:

- (1) CSU-LSAMP will engage a total of at least 2,000 "level 1" students annually, including 900 upper division students who would be engaged in graduate school preparation activities and 300 first time transfer students;
- (2) CSU-LSAMP proposes to increase URM-STEM baccalaureate degree production from the current base-line of 1,654/year for the 22 campuses to 2000/year (an increase of 346/year over the current base-line);
- (3) CSU-LSAMP proposes to increase the number of LSAMP students who graduate each year from 300 to 400 and to exceed the national average of 38% for LSAMP graduates progressing to STEM graduate programs by achieving a rate of 50% progression to STEM graduate programs.
- (4) CSU-LSAMP proposes to achieve a rate of 83% placement of its "Bridge to the Doctorate" students in STEM Doctoral programs and an 80% doctoral-level degree completion rate for those who are admitted to doctoral programs.



Bridge to the Doctorate Cohort 2
Washington, DC

ALLIANCE ACTIVITIES UNDERGRADUATE PROGRAM

The types of activities that are offered to support each objective have consistently been shown to facilitate retention and progression of URM students in STEM, and represent a set of well-established "best practices". Notably, the project continues to include the top five LSAMP hallmark activities, which were identified in the Urban Institute's national study of LSAMP (i.e., research experiences, mentoring, internships, scholarships/ stipends and academic support/tutoring). In addition, in light of the Urban Institute's finding that LSAMP participants who participated in research were more likely to pursue and complete graduate degrees, this project includes a substantial emphasis on engaging students in research activities. The project also includes a variety of activities designed to opportunities to enhance student qualifications for graduate programs (e.g., GRE preparation, teaching experiences; research presentations, and internships), and collaborates with other student support programs on participating campuses (e.g., McNair and NIH-NIGMS Bridges to the Future programs) and with programs at Ph.D. granting institutions (e.g., AGEP) that share the goal of broadening participation in STEM.



Bridge to the Doctorate, Cohort 4
2007 NSF Joint Annual Meeting
Grand Hyatt, Washington, DC.

BRIDGE TO THE DOCTORATE GRADUATE PROGRAM

CSU-LSAMP recognizes the need to ensure graduate program matriculation of a larger number of its own LSAMP graduates and to work collaboratively with the national LSAMP community to ensure graduate program matriculation of a larger number of the 25,000+ baccalaureate degree recipients produced by LSAMP institutions. To address this need, CSU-LSAMP was provided NSF support for six "Bridge to the Doctorate" activities.

San Francisco State University (SFSU) served as the site for two of the BD activities (BD-1 and BD-4) and California State University, Los Angeles served as the site for three of the BD activities (BD-2, BD-3 and BD-5), as well as the site for current BD (BD-6) activities.

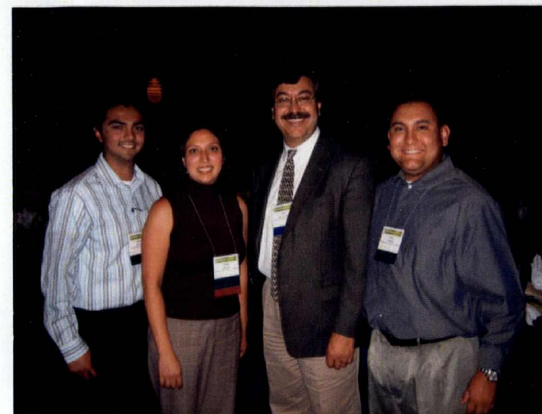
BD Program Elements

Typically, CSU-LSAMP BD projects provide financial, academic and personal support for a cohort of 12 LSAMP BD Fellows admitted to Masters level degree programs in STEM at the designated graduate institutional site.

Specifically, the projects provide each student a substantial stipend (currently \$30,000/year) for up to two years and provide an institutional allowance of \$10,500/student/year for up to two years for educational costs.

In addition, the projects provide a focused program of educational and personal support, including:

1. orientation to and advising in the Masters program;
2. intensive mentoring of research at the Masters level;
3. a workshop series and writing support;
4. teaching internship experiences;
5. support of conference participation;
6. community activities; and
7. facilitating linkages to Ph.D. Programs and their NSF programs (e.g. AGEP and GRFP) which can provide support during the third year and beyond.



Albert Cervantes, Aidee Gonzalez (oral presentation winner),
Dr. Carlos Gutierrez, and Jesus Gutierrez
Bridge to the Doctorate, Cohort 2
2005 SACNAS Awards Ceremony
Denver, Colorado

Current BD-6 Cohort

California State University Bridge to the Doctorate Cohort 6 is held at California State University, Los Angeles (Cal State LA). One of the 23 campuses of the California State University system, Cal State LA is located in one of the major centers of minority populations in the United States and serves large numbers of students from these communities. Cal State LA has a deep, historically-based institutional commitment to advancing diversity in higher education, in general, and in STEM, in particular. Cal State LA was the first university in California to qualify for full membership in the Hispanic Association of Colleges and Universities, and is federally designated as a Hispanic Serving Institution.

BD-6 Project Directors:

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ALLIANCE IMPACT

1. CSU-LSAMP has had a substantial impact on increasing the number of baccalaureate degrees awarded to URM students.
2. CSU-LSAMP has served as a substantial source of academic support for large numbers of undergraduate URM students majoring in STEM disciplines.
3. CSU-LSAMP has contributed to improved retention and graduation of URM students in STEM.
4. Senior CSU-LSAMP emphasis on activities designed to enhance student interest in and preparation for graduate school with the goal of improving aggregate student progression to STEM graduate programs has been effective in advancing this goal.
5. CSU-LSAMP Bridge to the Doctorate (BD) Activities have been highly effective in recruiting, retaining and graduating participants in BD Master's level programs at the Alliance's graduate institutional sites and in serving as a "bridge" to doctoral level study.



Bridge to the Doctorate, Cohort 5
with Drs. Juanita Barrena and Margaret Jefferson
2008 NSF Joint Annual Meeting
Omni Shoreham, Washington, DC.