
CEO message: CEO Updates—April 15

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**CEO Updates, April 15, 2016**

Spotlight

Coming soon at CEO: Tuesday, May 10, noon to 1:30 pm—Diversity Initiatives in the School of Public Health. Featured speaker: Durrain Ansari-Yan, Diversity Outreach Coordinator, School of Public Health D.R.E.A.M. [Diversity, Respect, Equity, Action, Multiculturalism] Office. The D.R.E.A.M Office focuses on addressing present day health disparities by increasing the diversity of the California public health workforce. In this session, Ansari-Yan will discuss the work the office does to recruit diverse students and support them through their graduate degree by conducting outreach, providing advising, supporting student organizations, hosting workshops and leading work groups that address issues related to equity and inclusion. Location: 303 Doe Library. [More-->](#)

Funding opportunities

Nat'l Education Assoc Learning and Leadership grants—Deadline: 6/1/16. The grants support public school teachers, public education support professionals, and/or faculty and staff in public institutions of higher education for one of the following two purposes: 1) participation in high-quality professional development experiences, such as summer institutes or action research; or 2) grants to groups fund collegial study, including study groups, action research, lesson study, or mentoring experiences for faculty or staff new to an assignment. **More-->**

The National Resource Center for the First-Year Experience and Students in Transition is accepting applications for research projects aimed at improving the experiences of college students transitioning into and through higher education. Deadline: 7/1/16. Eligibility: faculty, staff, graduate students at U.S. institution of higher education. The Center will award a stipend of \$5,000, plus travel to two national conferences, a presentation slot at a national conference, and

priority consideration for publication, for a research project that supports and promotes research with the potential to have a national impact on student success. Topics may include underrepresented student populations, community colleges, the advising system, transfer and articulation, career development, and other issues related to college-student transitions. [More-->](#)

Events & opportunities

Sat. 4/30/16—KQED Learning Day for Educators. Geared toward middle and high school educators, KQED will host a full day of learning in the KQED studio. Explore free public media resources, get hands-on training in new media story telling tools, youth participation integration and building media rich interactive learning experiences. Breakfast and lunch will be provided. The day will conclude with a student media showcase. Cost: \$10. No one will be turned away for lack of funds. Registration is required. [More-->](#)

5/17/16—7th Annual NoCal Summit on Children and Youth: Building the Next Generation Workforce. The Summit is a partnership between the Richmond Community Foundation (RCF) and the West Contra Costa Unified School District. This year's summit focuses on ensuring that our communities are prepared to fill the employment opportunities in growth fields such as health care, information and computer technologies, and biotech. The day will include presentations of workforce programs, academic, vocational, training, mentoring and employment programs targeting underserved youth and youth of color, as well as community college students. [Register here-->](#)

List your youth-serving summer and out-of school time programs on

STEAMBank. STEAMBank is a free new online resource to help high school students locate STEAM learning opportunities beyond the regular school day, document participation in such programs, and help students build a transcript that demonstrates STEAM interests and strengths. STEAMBank is now being piloted in Berkeley, Dublin, Emery, Livermore Valley Joint, Mt. Diablo, Oakland, Pleasanton and San Ramon Unified School Districts. In the near future it will expand to include opportunities for students in grades K-12 across all school districts in Alameda and Contra Costa counties. *Event providers are invited to register now to list their STEAM learning opportunities for high school students.* [More-->](#)

Oct 13-15, 2016—SACNAS National Diversity in STEM Conference, Long Beach, CA. Come celebrate science, culture, and community with the nation's largest multidisciplinary and multicultural STEM diversity organization. Registration is now open. [More-->](#)

News & views

Admissions mismatch reduces minority STEM success—A policy aimed at increasing the enrollment of minority undergraduates in STEM majors actually hurt overall minority representation in STEM. Arcidiacono et al. studied all students who enrolled at any University of California campus from 1995 to 1997, when race was a factor in admissions. Many minority students were admitted to STEM majors at the most competitive campuses, such as Berkeley and Los Angeles, despite high-school grades and test scores that were better aligned with those of incoming students at less competitive campuses, such as Santa Cruz and Riverside. Switches to non-STEM majors and failures to graduate, particularly among minorities that were underprepared for the most competitive campuses, could have been minimized had school admissions been better matched to precollege preparation, boosting overall minority representation among STEM graduates. [More-->](#)

Diversity in graduate education Although progress has been made to advance participation of traditionally underrepresented minorities (URMs) in STEM graduate education, a lack of parity

remains. According to recent data from the NSF and the Council of Graduate Schools, URM students constituted 19% of 2014 first-time graduate enrollments, and 13% of STEM Ph.D's conferred to U.S. citizens and permanent residents. This is in contrast to the fact that 36% of the U.S. population between the ages of 25 and 34 are URMs. In the STEM workforce, the gap is more obvious as URMs comprise only 7% of the STEM doctoral workforce. [More-->](#)

Taking stock of U.S. science literacy—What does it mean to be science literate? How science literate is the American public? How do we stack up against other countries? What are the civic implications of a public with limited knowledge of science and how it works? How is science literacy measured? [More-->](#)

What is a learning engineer? Learning engineering is an emerging profession that "helps build bridges between fields of education and develops additional infrastructure to help teachers teach and students learn," according a recent report from MIT's Online Learning Policy Initiative. Learning engineers integrate their knowledge of a discipline with broad understanding of advanced principles from across the fields of education. They must also be familiar with state-of-the-art educational technologies and be able to integrate new technologies and approaches into existing experiences. [More-->](#)

About CEO

CEO Updates is the newsletter of the [Coalition for Education Outreach](#) (CEO), an informal network of organizations, departments, and individuals on the UC Berkeley campus and in the community engaged in STEM education and outreach. [More about CEO-->](#)

Have some news, resources, events, or project highlights you'd like to share in our next newsletter? Contact [Kate Spohr](#).

Frequently used acronyms: *E&O (education and outreach); K-12 (kindergarten through 12th grade); NGSS (Next Generation Science Standards); NSF (National Science Foundation); STEM (Science, Technology, Engineering, Mathematics); STEAM (STEM+Art).*

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