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## CEO message: CEO Updates, November 1, 2016

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**Kate Spohr** <kspohr@berkeley.edu>  
To: CEO <education.outreach@lists.berkeley.edu>

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### *CEO Updates, November 1, 2016*

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#### Spotlight

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**Tues, Nov 8, noon-1:30 pm, CEO monthly meeting: Understanding and addressing unconscious bias in STEM.** Unconscious or implicit bias can hinder diversity in STEM, but the impact can be mitigated by the use of strategies to recognize and address these biases. Speaker **Cat Adams**, UCB PhD candidate in Plant and Microbial Biology (and organizer of the UCB student group the Unconscious Bias Project), will discuss studies on the role of unconscious bias in STEM diversity, share tips for reducing our own implicit biases, and provide strategies to address unconscious bias to promote more inclusive and diverse environments. Location: 303 Doe Library. [More-->](#)

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#### Other events

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**Weds, 11/2/16, 10am-Webinar: Measuring the impact of STEM learning in afterschool**—How can we understand and measure the true impact of afterschool STEM experiences? What role do such programs play in the larger STEM learning ecosystem to strengthen young people's learning and development outcomes in STEM? Speakers: **Bronwyn Bevan**, Research + Practice Collaboratory, University of Washington; **Vera Michalchik**, Director of Evaluation and Research, Stanford University; **Robert Tai**, Curry School of Education, University of Virginia; **Kevin Crowley**, Professor of Learning Sciences and Policy, University of Pittsburgh; **Anita Krishnamurthi**, Afterschool Alliance. [Register here-->](#)

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#### Resources

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**Jobs for the future: Bridging education and work**—This collection of free videos from Jobs for the Future (JFF), produced by WGBH and available on PBS LearningMedia, examines the major stages of program design and implementation and explains how each stakeholder benefits. Support materials offer

active viewing questions and targeted links to a toolkit that contains guidance for those interested in implementing work-based courses in their college or workplace. [More-->](#)

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**Opportunities**  
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**Broadening Participation Institute in STEM** (Jan 13-15, 2017, Lakeland, FL). Application deadline: 11/21/16. Apply to send a team to the Council of Undergraduate Research institute aimed at broadening participation and increasing access to and diversity in STEM programs. Institutions will send small teams of faculty and administrators who will work together to craft an action plan to achieve inclusive excellence on their home campus. The institute is designed for faculty and administrators to develop (or enhance) their knowledge, skills, and competencies in increasing access, fostering diversity, and creating an inclusive environment for all students. [More-->](#)

**National Science Teachers Assoc teacher awards**. Entry deadline: 12/15/16. The NSTA Awards and Recognition Program recognizes exceptional and innovative science educators. The awards were created in 1973 to raise awareness and exposure of the outstanding work being done by science educators. No entry fee. [More-->](#)

**Community College Innovation Challenge**—Entry deadline: 2/15/17. The National Science Foundation (NSF) and the American Association of Community Colleges (AACC) present the third annual Community College Innovation Challenge (CCIC) that asks student teams of community college students to innovate a STEM-based solution to a real-world problem. Teams will submit projects in one of three themes: Maker to Manufacturer, Energy and Environment, and Security Technologies. Form your team with a faculty mentor and community and/or industry partner to enter. An entry consists of a written portion and a 90-second video. [More-->](#)

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**News & views**  
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**The digital lives of African American tweens, teens, and parents**—The Center for Digital Media Innovation and Diversity at George Mason University recently released a study exploring the educational impact of technology and digital media on African American families in non-school environments. [More-->](#)

**Racial and ethnic gaps in postsecondary aspirations and enrollment**—A major finding of the 1966 [Equality of Educational Opportunity](#) report (EEO Report) was that a larger proportion of African Americans than whites reported wanting to pursue higher education. Blacks in the 1960s had high college aspirations and those aspirations have continued, but today, as then, fewer blacks than whites attend four-year colleges. Since the EEO report, the U.S. population has become increasingly diverse, and postsecondary aspirations and enrollment vary considerably among racial and ethnic groups. Whereas the EEO report focused on the significant role of students' concrete knowledge about college in postsecondary attendance, it paid limited attention to variation in postsecondary preparation activities. This study contrasts earlier indicators of student college knowledge with college preparation activities to understand variations in college enrollment among different racial and ethnic groups. *Results indicate that concrete knowledge has less impact on minority postsecondary enrollment than taking more-advanced academic courses.* [More-->](#)

**School segregation and academic achievement gaps**—Although it is clear that racial segregation is linked to academic achievement gaps, the mechanisms underlying this link have been debated. This paper examines sixteen distinct measures of segregation to determine which is most strongly associated with academic achievement gaps. The author concludes that one aspect of segregation in particular—*the disparity in average school poverty rates between white and black students' schools*—is consistently the single most powerful correlate of achievement gaps. [More-->](#)

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**CEO Updates** is the newsletter of the [Coalition for Education Outreach](#) (CEO), an informal working group of organizations, departments, and individuals on the UC Berkeley campus and in the community engaged in STEM education and outreach (E&O). Our mission is to further professional development, facilitate best practices, and encourage information exchange. [Kate Spohr](#) and [Dan Zevin](#), CEO co-chairs, welcome your questions, comments, and ideas. [More-->](#)

Acronym translator: STEM (Science, Technology, Engineering, Mathematics); STEAM (STEM + Art); NGSS (Next Generation Science Standards); NSF (National Science Foundation); NIH (National Institutes of Health); K-12 (kindergarten through 12th grade); E&O (education and outreach).

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