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CEO message: CEO Updates

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Reply-To: Coalition for Education and Outreach <education.outreach@lists.berkeley.edu>

To: CEO <education.outreach@lists.berkeley.edu>

CEO Updates is a biweekly newsletter designed to inform and engage the UC Berkeley STEM education and outreach (E&O) community and our off-campus partners. *Please scroll to the end of this message for additional information.*

Special event

Strengthening the field of black male achievement (Weds, July 22, 10am-12pm, Foundation Center, 312 Sutter St #505, San Francisco)—The highly-publicized killings of black men and boys in recent months have fueled the growing #BlackLivesMatter movement and brought new attention to issues of race and racism in the United States. This panel discussion will feature highlights from a new report published by the Foundation Center and the Campaign for Black Male Achievement, and will examine the philanthropic funding landscape for black men and boys. Panelists will lift up local efforts, lessons learned, and future directions for this work. Panelists will include Bay Area foundation leaders Fred Blackwell, San Francisco Foundation; **Cedric Brown**, Kapur Center for Social Impact; **Shawn Dove**, Campaign for Black Male Achievement; **James Head**, East Bay Community Foundation; **Seema Shah**, Foundation Center. *Space is limited; registration is required. [Register here.](#)*

Opportunities

NSF review panelists needed for Graduate Research Fellowship Program (GRFP)—The GRFP program recognizes and supports outstanding graduate students who are pursuing research-based masters and doctoral degrees in science and engineering. The NSF invites potential NSF GRFP panelists to register for the 2016 program. This is an opportunity to apply your research and career expertise to help identify future leaders in the fields of science and engineering, and gain valuable perspective to share with faculty and students in your own department. The 2016 reviews and panels will be conducted online with no travel requirements. Panelists will be assigned approximately 30 applications in December to read and review. Panelists will receive formal recognition of service as an NSF panelist, and will be paid a flat rate of \$200 per day for each full four-hour virtual panel session attended. [Details and registration.](#)

NSF Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR)—The NSF IUSE: EHR program invites proposals that address challenges and opportunities facing undergraduate STEM education, as well as those that anticipate new structures (e.g. organizational changes, new methods for certification or credentialing, course re-conception, cyberlearning, etc.) and new functions of the undergraduate learning and teaching enterprise. IUSE: EHR features two tracks: (1) Engaged Student Learning and (2) Institutional and Community Transformation. Two tiers of projects exist within each track: (i) Exploration and Design and (ii) Development and Implementation. Deadlines: Exploration and Design Tier for Engaged Student Learning and Institutional and Community Transformation—[Nov 3, 2015](#); Development and Implementation Tiers for Engaged Student Learning and Institutional and Community Transformation—[Jan 13, 2016](#). Access the program solicitation [here](#).

National Science Teachers Association invites nominations for Shell Science Teaching Award—This annual \$10,000 prize recognizes an outstanding K-12 classroom science teacher who has had a positive impact on his or her students, school, and community through exemplary classroom science teaching. Deadline: [11/18/2015](#). [Apply here.](#)

New digital tool

Interactive map shows poverty rates in every U.S. school district—Thanks to a new, publicly-available interactive map created by the nonprofit EdBuild, educators, policy makers, and researchers can now

access Census Bureau poverty data in each of the nation's nearly 14,000 school districts nationwide. Zoom out to see macro-level concentrations of poverty and wealth; zoom in to see how school district boundaries often serve as stark lines of division between the poor and the affluent.

New & noteworthy

Broader impact statements: are researchers thinking broadly enough? —Kirk Englehardt, Scicomm, Science Communication, University - Higher Ed Communication (7/8/15).

Crafting and evaluating broader impact activities: a theory-based guide for scientists—Megan Skrip, Frontiers in Ecology and the Environment (June 2015).

The frenzy about high-tech talent—In this article, Andrew Hacker reviews a number of recent books and data from the U.S. Bureau of Labor Statistics to examine what's behind the alarmist calls for a more robust and better-trained U.S. STEM workforce. He reports that the alleged need for STEM workers are open to serious question, including whether such demands may be exaggerated and manipulated, in part, by corporations seeking to cap technical salaries by replacing American workers with foreigners holding H-1B visas. Andrew Hacker, NY Review of Books (7/6/15).

A new look at apprenticeships as a path to the middle class — Long regarded by parents, students and many educators as an off-ramp from the college track, apprenticeships are getting a fresh look in many quarters. The idea has recently captured the attention of several presidential candidates from both parties, with employer-oriented apprentice programs increasingly seen as a way to appeal to anxious Americans looking for an alternative route to middle-income jobs. Nelson Schwartz, New York Times (7/13/15).

Communicating science for a more informed electorate—In this 9-minute NSF video, Dr. Moira Gunn, an engineer and host of the popular TechNation radio show, discusses the importance of educating the public about science.

About CEO

The Coalition for Education & Outreach (CEO) is self-formed group of staff, faculty, postdocs, and students on the Berkeley campus and surrounding community who work in science, technology, engineering and math (STEM) education and outreach. During the academic year (Oct-May), we hold monthly meetings to further professional development, networking, and information exchange. [Click here](#) to subscribe/unsubscribe to the CEO e-list and newsletter. For more information, contact [Kate Spohr](#) or [Dan Zevin](#).