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CEO message: CEO Updates

1 message

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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 bi-weekly newsletter designed to inform and engage the Berkeley STEM education and outreach (E&O) community and our off-campus partners. Please scroll to the end of this message for more information about CEO.

CEO meeting update

CEO will resume our monthly meetings on the 2nd Tuesday of each month, noon to 1:30 pm, beginning October 13! Please mark your calendars. Owing to a conflict with our meeting room, we have changed our regular monthly meeting day to the second Tuesday of each month (rather than the third Tuesday). The good news is that we will be able to continue to hold meetings in our regular meeting space at **303 Doe Library**--a central location that most members have indicated is convenient for them. The meeting schedule for the 2015-2016 academic year will be posted to the CEO website in early September. As in the past, meeting announcements and reminders will be disseminated via *CEO Updates* and the CEO e-list.

Funding resources & opportunities

Weds, July 15, 1:00-2:30 pm—Introduction to Foundation Grantwriting (free). Sponsored by the Foundation Center. Location: Berkeley Public Library, 2090 Kittredge. This workshop is free of charge and is intended for those who are new to proposal writing. It will cover what to include in a standard proposal to a foundation; tips for making each section of your proposal stronger; tips for communicating with funders during the grant process; and useful resources for proposal writing, including sample proposals. Register here.

NSF STEM Teacher Leader Initiative—The NSF has long supported and encouraged teacher leadership through such programs as the Presidential Awards for Excellence in Mathematics and Science Teaching, the Master Teacher Fellowship of the Robert Noyce Teacher Scholarship Program, the Math and Science Partnership program, the Albert Einstein Distinguished Educator Fellowship Program, and Research Experiences for Teachers (RET) program. NSF wishes to expand opportunities for identified teacher leaders, and will begin by requesting proposals for new approaches and ideas that can be piloted for up to two years with the goal of discovering successful models to support teacher leaders. Proposals should be submitted as an EArly-concept Grant for Exploratory Research (EAGER) to the Presidential Awards for Excellence in Mathematics and Science Teaching Program. Requests may be for up to $300K and for up to two years duration.

William T. Grant Foundation Distinguished Fellows Program—Fellowships will provide up to $175,000 for learning projects designed to help mid-career practitioners, policy makers, and researchers better understand the creation and use of research in the service of improved youth outcomes. Deadline: August 4, 2015 (Letters of Inquiry).

Spencer Foundation Education Research Projects—Grants of up to $50,000 will be awarded to support projects that ask critical questions about how education can more effectively contribute to the civic development of young people. Deadline: August 20, 2015.

Tools you can use

Cutting through the contracting maze at Berkeley—Education and outreach programs often require business agreements with K-12 schools/districts, non-profit organizations, and consultants/contractors (for services such as external evaluation, curriculum development, web design, etc.). The UC Berkeley Guide to Contracting presents an overview of all the contracting offices at Berkeley and is designed to help guide campus personnel in creating, managing and terminating legally-binding contracts. For a quick decision on where a particular type of transaction

belongs, use the decision tree on the Business Contracts and Brand Protection site.

Dimensions of Success (DoS) Observation Tool—The DoS observation tool pinpoints twelve indicators of quality in out-of-school time STEM programs. It was developed with funding from the NSF by the Program in Education, Afterschool and Resiliency (PEAR), along with partners at Educational Testing Service (ETS) and Project Liftoff. The tool focuses on understanding the quality of a STEM activity in out-of-school time learning environments and includes key indicators, as well as a rubric with descriptions of increasing quality. 12 state networks have adopted DoS to measure the quality of their afterschool STEM programming.

Identifying and supporting productive STEM programs in out-of-school settings—This report identifies highly successful practices in STEM education in out-of-school experiences and settings, particularly those that target youth. (National Research Council of the National Academies Out of School STEM Learning, 2015.)

New & noteworthy

Faculty diversity & the ivory ceiling—The retention and promotion of diverse faculty members is an objective many universities are pursuing. Fewer initiatives consider how to ensure that diverse faculty members thrive and are retained.
According to data from the National Center for Education Statistics, faculty members of color make up a very small percentage of all associate professors. Asian men have made the most notable progress over this time period; while Asian women are less well represented, they have made progress since 2005. Black men, who were not far behind Asian men in 1995, have lost ground. Native American associates have made no progress, and progress is slow for black women, Hispanic men and Hispanic women. While the numbers are low, they are more distressing when compared to change over time for full professors. If faculty of color were moving through the ranks, we should expect to see change in the composition of full professors. Yet most groups have barely increased their representation among full professors. (Inside Higher Ed, 6/26/15.)

Want more college graduates? Improve our K-12 system—Michael Petrilli at Education Next questions the "reform treatment" government and foundation officials are giving the higher education system. He argues that to improve college graduation rates, more needs to be done in grades K-12 in terms of preparation. (EducationNext, 6/15/15.)

From 'dropout crisis' to record high, dissecting the graduation rate—NPR investigates the most recent, record-setting high school graduation rate of 81 percent, exploring the origin of the statistic. "It's a story of collaboration across the political aisle, heroic efforts and millions of dollars spent by state governments, and dogged researchers uncovering new insights that arguably changed the lives of tens of thousands of young people." (NPR Ed, 6/12/15.)

What makes a math person? Interest, recognition are key factors—
A new National Science Foundation-funded research conducted by Florida International University Professor Zahra Hazari suggests that interest and recognition are key factors that can help students become "math persons." (Ph

Ed School Critic, MIT partner to launch teacher-prep 'lab'—Arthur Levine, a former Teachers College, Columbia University president and outspoken critic of teacher education programs, has teamed up with MIT to create a new teacher education program, training teachers in mathematics and science. (Education Week 6/16/15.)

To measure poverty, states look beyond free lunch—The definition of poverty in public schools is facing a redefinition, according to Marketplace, with Massachusetts as the catalyst. Only around two-thirds of the same students are declared impoverished by new standards, which consider food stamps, welfare, and Medicaid as opposed to free and reduced lunch data. (Marketplace, 6/23/15)

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.