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

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**Kate Spohr** <kspohr@berkeley.edu>

Sun, Oct 2, 2016 at 10:42 PM

To: "education.outreach lists.berkeley.edu" &lt;education.outreach@lists.berkeley.edu&gt;



### *CEO Updates, October 1, 2016*

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#### Spotlight

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**CEO monthly meeting: Tues, Oct 11, 12 pm - 1:30 pm, Culturally mindful program development.** Featured speaker-**Lisa Trahan, Lawrence Hall of Science.** Cultural competence, culturally responsive education, and cultural humility are terms that are frequently used in education and outreach work. What do they actually mean? And what are the key strategic and practical questions that must be addressed to ensure successful connect, and sustain engagement with diverse audiences? Location: 303 Doe Library. [More-->](#)

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#### Events

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**Tues, Oct 25, 2-4:30 pm, Managing Conflict Across Cultures.** This workshop will investigate ways of approaching conflict that vary across cultures, discuss strategies for how to work with those styles, and practice approaches for resolving differences with people who approach conflicts differently. Register through UC Learning Center on Blu by searching on workshop title (limited to UCB personnel). Location: I-House Home Room.

**Fri, Nov 4, 2016, 2nd Annual Conference-Expanding Undergraduate Success in STEM, 9am - 5pm. RSVP by Oct 12.** This conference aims to improve how we support all students interested in pursuing a STEM major, especially those from historically underrepresented groups. At last year's conference, 100 STEM faculty, staff, post-docs, and grad students gathered to begin this work. Since then, Working Groups have started to plan activities and organize resources for the campus to improve its STEM advising, teaching and mentoring. Location: International House, UC Berkeley. [More-->](#)

**Fri, Nov 18, 10:30am-12pm-Community building and conflict resolution workshop.** This experiential workshop introduces participants to the use of circle practice for building community and leading groups through difficult conversations. In circle processes, participants develop shared values for communication and pass the "talking piece" to ensure inclusive dialog and develop collective wisdom. Presenter: Dr. Julie Shackford-Bradley, Restorative Justice Center at UC Berkeley. Location: 290 Hearst Mining Building.

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## Funding

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**NSF Improving Undergraduate STEM Education (IUSE: EHR).** IUSE:EHR invites proposals that address immediate challenges and opportunities in undergraduate STEM education, as well as those that anticipate new structures and new functions of the undergraduate learning/teaching enterprise. The program 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. Upcoming deadlines: November 02, 2016 for Exploration and Design Tier for Engaged Student Learning and Institution and Community Transformation; January 13, 2016 for Development and Implementation Tiers for Engaged Student Learning & Institution and Community Transformation. [More-->](#)

**NSF Discovery Research PreK-12 program (DRK-12).** DRK-12 seeks to enhance the learning and teaching of STEM by PreK-12 students and teachers, through research and development of STEM education innovations and approaches. Projects should result in research-informed and field-tested outcomes and products that inform teaching and learning. DRK-12 invites proposals that address immediate challenges that are facing preK-12 STEM education as well as those that anticipate radically different structures and functions. DRK-12 has 3 strands: (i) Assessment; (ii) Learning; and (iii) Teaching. The program supports five types of projects: (1) Exploratory, (2) Design and Development, (3) Impact, (4) Implementation and Improvement, and (5) Conferences and Syntheses. Deadline: Dec 5, 2016. [More-->](#)

**HHMI launches new program for diverse early career scientists**—The Howard Hughes Medical Institute (HHMI) announced a new program to recruit and retain early-career scientists who are from gender, racial, ethnic, and other groups underrepresented in the life sciences. Each fellow will receive funding for up to 8 years. In this two-phase program, fellows will be supported from early postdoctoral training through several years of a tenure-track position. Application deadline: Feb 15, 2017. [More-->](#)

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## Opportunities

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**National Science Board call for Public Service Award nominations**—Each year, NSB pays tribute to remarkable contributions and public service in science and engineering through its Vannevar Bush and Public Service awards. NSB is accepting nominations through 10/3/16. [More-->](#)

**AAAS Community Engagement Fellows program**—This program aims to improve collaboration and community building in science. It provides a year-long professional development opportunity to individuals who cultivate member engagement and collaborative relationships within scientific associations and research collaborations. Starting with an initial cohort in January 2017, the Program will provide a shared knowledge base and peer support for individuals who currently perform community management roles or who wish to enter this emerging profession. Application deadline: 10/16/16. [More-->](#)

**Albert Einstein Distinguished Educator Fellowship Program**—A unique professional development opportunity for accomplished K-12 STEM educators to serve in the national education arena. Fellows spend eleven months working in a Federal agency or in a U.S. Congressional office, bringing their extensive knowledge and experience in the classroom to education program and/or education policy efforts. Fellows receive monthly salary, travel allowance, health insurance, and education allowance. Deadline: 11/17/16. [More-->](#)

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## Tools you can use

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**Portal to the Public (PoP)**—Led by the Pacific Science Center in Seattle, Washington, the PoP Network provides strategies and resources to build local communities of scientists and educators who are dedicated

to public engagement with current science. Portal to the Public helps organizations connect public audiences with current science in their own communities through conversations with local scientists. PoP is offering two informational webinars on October 4 and 7. [Click here](#) to learn more and/or to register for a webinar.

**MIT Engineering CommKit**–The MIT School of Engineering Communication Lab announces CommKit, a new online peer-to-peer writing, speaking, and visual design resource for engineering graduate students. [More-->](#)

**NGSS Demystified**–This free, online toolkit was developed by California Academy of Sciences for providers of teacher professional development. It is intended for science museums and others who support teachers, schools, and districts in transitioning to the Next Generation Science Standards. [More-->](#)

**Early STEM education website**–Research shows that early exposure to STEM has positive impacts across the entire spectrum of learning, yet schools and early childhood programs often lack knowledge, resources, and capacity to focus on early STEM learning in developmentally appropriate ways. The Department of Education's new early STEM education site seeks to remedy this problem. [More-->](#)

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## News & views

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**STEM 2026 Report**–In 2015, the U.S. Department of Education and American Institutes for Research (AIR) brought together STEM education experts and thought leaders to share their ideas and recommendations for an innovative future of STEM education. This report synthesizes their key observations, considerations, and recommendations. [More-->](#)

**Growth in graduate enrollment of underrepresented minorities**–The data from the Council of Graduate Schools recent graduate enrollment report reveals modest growth in first-time enrollments for a number of key demographic groups enrolling in graduate school. Notably, all underrepresented minority (URM) groups monitored by the survey saw greater increases in first-time graduate enrollment than their white, non-Hispanic counterparts, although their overall representation in the graduate student body still remains relatively low. [More-->](#)

**Promising practices in STEM workforce development**–This report focuses on what it takes to create university-industry collaborations that enable students to acquire knowledge, skills, and attributes they need to be successful in the STEM workforce. The report's recommendations will be most relevant to educators, policy makers, and industry leaders. [More-->](#)

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**CEO Updates** is the newsletter of the [Coalition for Education Outreach](#) (CEO), an informal working group of organizations 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-->](#)

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*Acronyms frequently used in this newsletter:* E&O (education and outreach); 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).

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