



National Science Foundation
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Dear Colleague Letter: Cyberlearning Opportunities in the Directorate for Education and Human Resources (EHR)

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Emerging technologies have the potential to transform learning opportunities, increase interest in learning, and enhance learning outcomes for people in the workforce and in every educational level and outside of formal education. NSF recently released the *Cyberlearning and Future Learning Technologies* (*Cyberlearning*) program solicitation ([NSF 14-526](#)) that states “The program has two goals: (1) to invent, explore, and learn to effectively use the new technologies that will address society’s educational goals and (2) to advance understanding of how people learn and how to better foster learning in the context of the new kinds of learning experiences that technology makes possible.” *Cyberlearning* is jointly managed by the Directorates for Computer and Information Science and Engineering; Education and Human Resources; Social, Behavioral and Economic Sciences; and Engineering.

The purpose of this DCL is to invite proposals that support the goals of the *Cyberlearning* program and do so in the context of the EHR programs listed below. EHR is particularly interested in projects that propose to design, develop, and evaluate technological resources, tools, and models for fostering and assessing STEM learning; to advance understanding of how to foster STEM learning; and to study the cognitive, social, cultural, neurobiological, volitional, epistemological, and other processes involved in such learning. EHR programs that accept proposals with cyberlearning components and features include:

- EHR Core Research ([ECR](#))
- Advancing Informal STEM Learning ([AISL](#))
- Discovery Research K-12 ([DRK-12](#))
- Improving Undergraduate STEM Education ([IUSE](#))
- Innovative Technology Experiences for Students and Teachers ([ITEST](#))
- STEM-C Partnerships: Math and Science Partnership ([MSP](#))
- Research on Education and Learning ([REAL](#))
- Alliances for Graduate Education and the Professoriate ([AGEP](#))
- Centers of Research Excellence in Science and Technology ([CREST](#)) and HBCU Research Infrastructure for Science and Engineering (RISE)
- Historically Black Colleges and Universities Undergraduate Program ([HBCU-UP](#))
- Tribal Colleges and Universities Program ([TCUP](#))

The above EHR programs also participate in NSF's Foundation-Wide programs, which also welcome cyberlearning proposals: EAGER, RAPID, INSPIRE, and CAREER. Additional investments made in cyberlearning through targeted EHR programs will be coordinated with the *Cyberlearning* program and may involve joint post award activities and monitoring.

Sincerely,

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