Selected education related funding opportunities at NSF for physics departments at HBCUs

HBCU-UP


HBCU-UP provides awards to develop, implement, and study evidence-based innovative models and approaches for improving the preparation and success of HBCU undergraduate students so that they may pursue STEM graduate programs and/or careers. Support is available for Targeted Infusion Projects, Broadening Participation Research Projects, Research Initiation Awards, Implementation Projects or Achieving Competitive Excellence Implementation Projects, and other funding opportunities. Targeted Infusion Projects (TIP) provide support to achieve a short-term, well-defined goal to innovate or improve the quality of undergraduate STEM education at HBCUs. The Broadening Participation Research (BPR) in STEM Education track provides support for research projects that seek to create and study new theory-driven models and innovations related to the participation and success of underrepresented groups in STEM undergraduate education. Research Initiation Awards (RIA) provide support for STEM faculty at HBCUs to pursue research at the home institution or at an NSF-funded research center, a research intensive institution or a national laboratory. Implementation Projects provide support to design, implement, study, and assess comprehensive institutional efforts to increase the number of students receiving undergraduate degrees in STEM and enhance the quality of their preparation by strengthening STEM education and research. Within this track, Achieving Competitive Excellence (ACE) Implementation Projects are intended for HBCUs with exemplary achievements and established institutionalized foundations from previous Implementation Project grants.

WIDER


Full Proposal Deadline Date: July 3, 2013

WIDER seeks to substantially increase the scale of application of highly effective methods of STEM teaching and learning in institutions of higher education, by employing instructional materials and methods that have a convincing evidentiary basis of effectiveness. In particular WIDER seeks this transformation for high enrollment, lower division courses required for many STEM majors and taken by many other students to fulfill general education distribution requirements.

In all cases, the primary goal of WIDER is to increase substantially the scale of these improvements within and across the higher education sector in order to achieve: (1) Improved student learning; (2) Increased numbers of students choosing STEM majors, particularly from
demographic groups underrepresented in STEM; (3) Improved retention in the first two years of undergraduate study and to graduation of all STEM majors.

Applicants may apply for WIDER grants to begin institutional planning efforts, to support implementation efforts for evidence-based teaching and learning practices, and for research on how to increase the importance placed on evidence-based practices in institutional strategic planning and faculty rewards.

**S-STEM**


Full Proposal Deadline Date: August 13, 2013

This program makes grants to institutions of higher education to support scholarships for academically talented students demonstrating financial need, enabling them to enter the STEM workforce or STEM graduate school following completion of an associate, baccalaureate, or graduate-level degree in science, technology, engineering or mathematics disciplines. Grantee institutions are responsible for selecting scholarship recipients, reporting demographic information about student scholars, and managing the S-STEM project at the institution.

**REU**


Full Proposal Deadline Date: August 28, 2013

The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. This solicitation features two mechanisms for support of student research: (1) REU Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department or may offer interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. (2) REU Supplements may be included as a component of proposals for new or renewal NSF grants or cooperative agreements or may be requested for ongoing NSF-funded research projects.
Education and Interdisciplinary Research (EIR)

Full Proposal Target Date: October 30, 2013

The program supports activities that seek to improve the education and training of physics students (both undergraduate and graduate), such as curriculum development or physics education research directed towards upper-level or graduate physics courses, and activities that are not included in specific programs elsewhere within NSF. The program supports research at the interface between physics and other disciplines and extending to emerging areas. Broadening activities related to research at the interface with other fields, possibly not normally associated with physics, also may be considered.