Grant Opportunities for Undergraduate Faculty

NSF

Research Experiences for Undergraduates (REU): Supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. You can write a proposal for the AY or only the summer or the entire year. Students perform independent research with faculty mentors; adding a professional development component enhances the proposal. You should demonstrate that you have a sufficient pool of URM from which to draw some of your REU students.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5517

- REU Sites may be based in a single discipline or academic department, or on interdisciplinary or multi-department research opportunities with a coherent intellectual theme.
- Proposals with an international dimension are welcome.
- REU Supplements may be requested for ongoing NSF-funded research projects or may be included as a component of proposals for new or renewal NSF grants or cooperative agreements.
- Once you have an REU, you can write a short proposal, directed to your program to
  o Provide travel to international site for research purposes
  o Add high school students to your existing REU site using the Research Assistantships for High School Students (RAHSS) mechanism
    http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=500035
  o Add high school teachers to your existing REU site using the Research Experiences for Teachers (RET) mechanism
- Deadline: August 22, 2012

Louis Stokes Alliances for Minority Participation (LSAMP) supports initiatives in broadening participation in STEM disciplines at institutions interested in increasing STEM B. S. degrees to underrepresented minorities. The goal is to increase the numbers of students successfully completing high quality degree programs in science, technology, engineering and mathematics. Particular emphasis is placed on transforming STEM education through innovative recruitment and retention strategies and experiences in support of groups that historically have been underrepresented in STEM: African-Americans, Alaskan Natives, Native Americans, Hispanic Americans, and Native Pacific Islanders.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13646

Undergraduate Research and Mentoring in the Biological Sciences (URM) the goal is to increase the number and diversity of individuals pursuing graduate studies in all areas of biological research. Support will be provided to academic institutions to establish innovative programs to engage undergraduates in a year-round research and mentoring activity. Particular emphasis will be placed on broadening participation of URMs. This program is being revised and a new solicitation will appear soon.

**Research Opportunity Award (ROA): Supplement Opportunity** enables faculty at predominantly undergraduate institutions, including community colleges, to pursue research as visiting scientists with NSF-supported investigators at other institutions. The goal is to enhance research productivity and professional development of science faculty at undergraduate institutions. A ROA is usually funded as a supplement to the NSF grant of the host researcher, and the application is submitted by the host institution.


**Research in Undergraduate Institutions (RUI)** supports research by faculty members of predominantly undergraduate institutions through the funding of (1) individual and collaborative research projects, (2) the purchase of shared-use research instrumentation, and (3) Research Opportunity Awards for work with NSF-supported investigators at other institutions. All NSF directorates participate in the RUI activity. Eligible "predominantly undergraduate" institutions include U.S. two-year, four-year, masters-level, and small doctoral colleges and universities that (1) grant baccalaureate degrees in NSF-supported fields, or provide programs of instruction for students pursuing such degrees with institutional transfers (e.g., two-year schools), (2) have undergraduate enrollment exceeding graduate enrollment, and (3) award an average of no more than 10 Ph.D. or D.Sc. degrees per year in all NSF-supportable disciplines. Full proposal accepted anytime.


**Science, Technology, Engineering, and Mathematics Talent Expansion Program (STEP)** seeks to increase the number of students (U.S. citizens or permanent residents) receiving associate or baccalaureate degrees in established or emerging fields within STEM. Type 1 proposals are solicited that provide for full implementation efforts at academic institutions. Type 2 proposals are solicited that support educational research projects on associate or baccalaureate degree attainment in STEM. Deadline: September 26, 2013


**Major Research Instrumentation Program (MRI)** serves to increase access to shared scientific and engineering instruments for research and research training, especially in research-intensive learning environments. The MRI program assists with the acquisition or development of shared research instrumentation that is, in general, too costly and/or not appropriate for support through other NSF programs. Range $100,000-$4 million. Deadline Date: January 26, 2012


**NIH**

**Academic Research Enhancement Award (AREA R15)** supports small research projects in the biomedical and behavioral sciences conducted by faculty and students in schools that have not been major recipients of NIH research grant. The three goals of the AREA program are: to support meritorious research; to strengthen the research environment of the institution; and to expose students to research. The AREA grant is a research award and not a training award, so the focus is not on course work but on hands-on meritorious research. Standard application deadlines: February 25, June 25, and October 25.

http://grants.nih.gov/grants/funding/area.htm

**Education Projects (R25)** promote an appreciation for and interest in biomedical research, provide additional training in specific areas, and/or to develop ways to disseminate scientific discovery into public health and community applications. This mechanism supports a variety of projects such as Bridges to the Doctorate programs and education outreach to local schools.

**USDA**

The USDA has a variety of grants available for undergraduate faculty and these grants are not limited to agriculture. USDA has opportunities to support both research and undergraduate training.

http://www.nifa.usda.gov/fo/funding.cfm