

## Program Grant Opportunities for Colleges and Universities

**Deadline Date** – March 10, 2009

**Grant Resource** – National Science Foundation

**Category** – Undergraduate Research and Mentoring in Biology

**Description** – The goal of the Undergraduate Research and Mentoring in the Biological Sciences (URM) program is to increase the number and diversity of individuals pursuing graduate studies in all areas of biological research supported by the NSF Directorate for Biological Sciences. 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 members of groups historically underrepresented in science and engineering: African Americans, Alaska Natives, American Indians, Hispanic Americans, Native Pacific Islanders, and persons with disabilities.

**Size of Grant** – 8 awards for \$400,000

**Cost Sharing or Match** – No

**Web** – [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf06591](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06591)

**Deadline Date** – April 28, 2009

**Grant Resource** – National Science Foundation

**Category** – Pathways to Computer Science for Undergraduates

**Description** – The goals of the program are to: contribute to the development of a globally competitive U.S. workforce with CT competencies essential to U.S. leadership in the global innovation enterprise; increase the number of students developing CT competencies by infusing CT learning opportunities into undergraduate education in the core computing - computer and information science and engineering - disciplines, and in other fields of study; and, demonstrate transformative CT-focused undergraduate education models that are replicable across a variety of institutions.

**Size of Grant** – 30 awards of Class 1 for \$300,000 for 3 years or Class 2 for \$800,000 for 3 years

**Cost Sharing or Match** – No

**Web** – [http://www.nsf.gov/pubs/2009/nsf09528/nsf09528.html?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09528/nsf09528.html?govDel=USNSF_25)

**Deadline Date** – April 29, 2009

**Grant Resource** – National Science Foundation

**Category** – Nanotechnology Undergraduate Education (NUE) in Engineering

**Description** – This solicitation aims at introducing nanoscale science, engineering, and technology through a variety of interdisciplinary approaches into undergraduate engineering education. The focus of this year's competition is on nanoscale engineering education with relevance to devices and systems and/or on the societal, ethical, economic and/or environmental issues relevant to nanotechnology. Related funding opportunities are posted on [www.nsf.gov/nano](http://www.nsf.gov/nano). NUE projects are intended to enable individuals, departments, programs, or campuses to integrate nanoscale engineering into their curricula. Integration could take the form of a new course or courses, or modification of existing courses so that a substantial portion of the course content is based on nanoscale engineering. Integration could include a module or modules in courses that focus on issues of environmental or social change and new developments in nanoscale engineering, or a new course or series of courses that include those focuses. Proposals involving any part of the undergraduate engineering curriculum are eligible. International collaborations that advance the underlying NUE goals and strengthen U.S. activities are encouraged. Research and education projects in nanoscale science and engineering will continue to be supported in the relevant NSF programs and divisions.

**Size of Grant** – 10 awards for \$200,000 for 2 year projects

**Cost Sharing or Match** – No

**Web** - [http://www.nsf.gov/pubs/2009/nsf09533/nsf09533.html?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09533/nsf09533.html?govDel=USNSF_25)

**Program:** NSF REU Program Grants for College and University Application

**Location:** All over the US and in other countries

**Deadline:** June 5, 2009

**Subjects:** Any research topic funded by NSF

**Description:** 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 on interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. A partnership with the Department of Defense supports REU Sites in DoD-relevant research areas. (2) *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. Undergraduate student participants in either Sites or Supplements must be citizens or permanent residents of the United States or its possessions.

**Web:** [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5517&org=NSF](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5517&org=NSF)