

Office of Research and Sponsored Programs, Campus Center, Room H-313C, Tele. ext. 3215



\$76-million to fund 1,800 REU awards

Research Experiences for Undergraduates – Site Projects

National Science Foundation

URL: <https://www.nsf.gov/pubs/2019/nsf19582/nsf19582.pdf>

Application due date: August 29, 2019.

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. REU Sites must have a well-defined common focus that enables a cohort experience for students. 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. Cost sharing is prohibited.

Over \$76-million is expected to be made available in support of some 1,800 awards, ranging in value from \$5,000 - \$500,000 for this program (Source: GRANTS.GOV, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=316067>).

Revised Program Solicitation Just Released

Innovative Technology Experiences for Students and Teachers (ITEST)

National Science Foundation

URL: <https://www.nsf.gov/pubs/2019/nsf19583/nsf19583.pdf>

Application due date: August 19, 2019.

Posted by the NSF on May 20, a revised Program Solicitation for ITEST (NSF 19-583). ITEST is an applied research and development (R&D) program providing direct student learning opportunities in pre-kindergarten through high school (PreK-12). The learning opportunities are based on innovative use of technology to strengthen knowledge and interest in science, technology, engineering, and mathematics (STEM) and information and communication technology (ICT) careers. To achieve this purpose, ITEST supports projects that engage students in technology-rich experiences that: (1) increase awareness and interest of STEM and ICT occupations; (2) motivate students to pursue appropriate education pathways to those occupations; and (3) develop STEM-specific disciplinary content knowledge and practices that promote critical thinking, reasoning, and communication skills needed for entering the STEM and ICT workforce of the future. ITEST seeks proposals that pursue innovative instructional approaches and practices in formal and informal learning environments, in close collaboration with strategic partnerships. ITEST proposals should broaden participation of all students, particularly those in underrepresented and underserved groups in STEM fields and related education and workforce domains.

\$30-million is expected to be made available in support of 30 awards, ranging in value from \$100,000 - \$4,000,000 for this program (Source: GRANTS.GOV, <https://www.grants.gov/web/grants/search-grants.html?keywords=ITEST>).

Robert Noyce Teacher Scholarship Program, National Science Foundation

URL: <https://www.nsf.gov/pubs/2017/nsf17541/nsf17541.pdf>

Application due date: August 27, 2019.

The Robert Noyce Teacher Scholarship Program seeks to encourage talented science, technology, engineering, and mathematics (STEM) majors and professionals to become K-12 mathematics and science (including engineering and computer science) teachers. The program invites creative and innovative proposals that address the critical need for recruiting and preparing highly effective elementary and secondary science and mathematics teachers in high-need local educational agencies. The program offers four tracks: Track 1: The Robert Noyce Teacher Scholarships and Stipends Track, Track 2: The NSF Teaching Fellowships Track, Track 3: The NSF Master Teaching Fellowships Track, and Track 4: Noyce Research Track. In addition, Capacity Building proposals are accepted from proposers intending to develop a future Track 1, 2, or 3 proposal.

\$58-million is expected to be made available in support of approximately 70 awards, ranging in value from \$75,000 - \$3,250,000 for this program (Source: GRANTS.GOV, <https://www.grants.gov/web/grants/search-grants.html?keywords=Noyce>).



Research at the Interface of Biological and Mathematical Sciences

under the joint sponsorship of:

National Science Foundation and National Institutes of Health



URL: <https://www.nsf.gov/pubs/2018/nsf18566/nsf18566.htm>

Application submission window: October 1 – 18, 2019.

The National Institute of General Medical Sciences (NIGMS) and the Division of Mathematical Sciences (DMS) in the Directorate for Mathematical and Physical Sciences at the National Science Foundation (NSF) plan to support fundamental research in mathematics and statistics necessary to answer questions in the biological and biomedical sciences. Both agencies recognize the need for promoting research at the interface between mathematical and life sciences. This program is designed to encourage new collaborations, as well as to support existing ones.

\$5-million is expected to be made available in support of approximately 20 awards for this initiative, jointly funded by our nation's two largest providers of grant support to academe, the NIH and the NSF. (Source: GRANTS.GOV, <https://www.grants.gov/web/grants/search-grants.html?keywords=interface%20biological%20mathematica>).



Data Science Research through the Academic Research Enhancement Award (AREA – R15) Program National Institutes of Health

URL: <https://grants.nih.gov/grants/guide/notice-files/NOT-GM-19-021.html>

and AREA Parent FOA <https://grants.nih.gov/grants/guide/pa-files/par-18-714.html>

Modern biomedical research is becoming increasingly quantitative and reliant on computational methods, with growing use of large and complex datasets to address biomedical research questions and advance human health. The National Institutes of Health (NIH) recently released its [Strategic Plan for Data Science](#) that highlighted the need for the next generation of researchers to be equipped with the skills of this interdisciplinary field and in March the agency issued a Notice (NOT-GM-19-021) highlighting the planned role of the [Academic Research Enhancement Award](#) (AREA) program in exposing undergraduate students to data-science research, encouraging the submission of applications from faculty with expertise in biomedical data science and related disciplines with research questions that are within the mission of the participating NIH Institutes and Centers.

AREA Grant Application Due Dates:
June 25, 2019
October 25, 2019
February 25, 2020.

The goals of the AREA Program remain threefold: (1) provide support for meritorious research at undergraduate-focused institutions; (2) strengthen the research environment at these institutions; and (3) give undergraduate students an opportunity to gain significant biomedical research experience through active involvement in the research. The present announcement by NIH serves to encourage proposal submissions of a kind not often received for AREA support.

AREA grants provide funding at a level of up to \$300,000 (plus Facilities & Administrative Costs, a.k.a. Indirect Costs) for project periods of 1, 2 or 3 years. AREA applications are encouraged to include faculty and students from diverse backgrounds, including underrepresented racial and ethnic groups, first generation college students, students from low socio-economic backgrounds, and individuals with disabilities

- NIH Strategic Plan for Data Science
[https://datascience.nih.gov/sites/default/files/NIH Strategic Plan for Data Science Final 508.pdf](https://datascience.nih.gov/sites/default/files/NIH%20Strategic%20Plan%20for%20Data%20Science%20Final%20508.pdf)
- Informational Page - NIH Research Enhancement Awards (including Academic Research Enhancement Awards)
<https://grants.nih.gov/grants/funding/r15.htm>

www.oldwestbury.edu/research

The Office of Research and Sponsored Programs serves the College at Old Westbury in the dual roles of promoting grant-supported scholarly activity and assisting in the administration and management of sponsored programs. Consequently, the Office reports to both the Office of Academic Affairs and the Division of Business & Finance.



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