



NATIONAL SCIENCE FOUNDATION
2415 EISENHOWER AVENUE
ALEXANDRIA, VIRGINIA 22314

NSF 21-086

Dear Colleague Letter: Noyce Research Experiences in Science, Technology, Engineering, and Mathematics (STEM) Settings for Pre-Service Teachers

May 19, 2021

Dear Colleague:

This Dear Colleague Letter (DCL) seeks to highlight information in Program Solicitation [NSF 21-578](#) about funding opportunities to support research experiences in STEM settings for pre-service K-12 teachers. The [Robert Noyce Teacher Scholarship \(Noyce\) program](#) encourages proposal submissions for projects seeking to provide research experiences for pre-service teachers enrolled in an [Noyce-eligible STEM major or degree](#).

Projects are intended to provide STEM research experiences that can enhance student preparation for STEM teaching and their retention as teachers in STEM fields. Projects must include STEM research experiences in formal or informal U.S. settings. Projects are expected to engage pre-service teachers in authentic research experiences, with mentoring from active STEM researchers conducting research in STEM settings (e.g., federal research site, national research center or laboratory, nonprofit organization, industry, or institution of higher education).

Proposals are encouraged to describe: the pre-service student teacher population that will participate; recruitment and selection, for the preservice teachers; planned research and mentoring activities; planned professional development for both teaching and research; and the desired project outcomes. There is no requirement that pre-service teachers supported through a STEM research experience be part of a prior or active Noyce project.

After consultation with and consent of a Noyce Program Director, proposals may be submitted at any time and must follow general proposal preparation and submission guidance for research proposals detailed in the NSF [PAPPG](#).

Pending availability of funds, the Noyce program will support as many meritorious projects as possible. Proposals submitted by the Noyce program's August deadline will be prioritized.

Questions about this DCL should be directed to the cognizant Program Directors listed below.

- Kathleen B. Bergin, email: kbergin@nsf.gov
- Jennifer Ellis, email: jtellis@nsf.gov
- Mindy Capaldi, email: mcapaldi@nsf.gov
- John Haddock, email: jhaddock@nsf.gov
- Tom Kim, email: tkim@nsf.gov

Sincerely,

Sylvia Butterfield
Assistant Director
Directorate for Education and Human Resources