



CALL FOR PRE-PROPOSALS: NATIONAL SCIENCE FOUNDATION NRT

Pre-Proposal Information

Program: Research Traineeship Program NSF 18-507

UMaine Pre-proposal Deadline: 10/15/19

Submission Limits: UMaine may submit two traineeship track proposals. Participation includes serving as a lead organization, non-lead organization, or subawardee on any proposal. An individual may serve as lead principal investigator (PI) or Co-PI on only one proposal submitted to the NRT program per annual competition. Through the pre-proposal process, the University will select two applicants.

Submission: To submit a pre-proposal please visit the [infoready grant portal](#) and follow submission instructions. The application will include the following:

- NSF biosketch
- NSF current and pending
- Letter of support from department chair
- Project description (3 page maximum) that must address the following topics:
 - Intellectual merit
 - Broader impacts
 - Integration of research and education
 - Interdisciplinarity
 - Professional development
- Short answers on the following topics:
 - Evaluation plan
 - Potential graduate student impact.

Review: In accordance with UMaine's Limited Competitions policy, the Office of Research Development will oversee the University's selection process, which will include an expert panel review of submitted pre-proposals.

Notification: Pre-proposal applicants will be notified of the review panel's decision in mid-November. It is expected that the selected applicant(s) will subsequently submit a letter of intent and a full proposal to the NSF.

NRT Program Information

Synopsis: The NSF Research Traineeship (NRT) program is designed to encourage the development and implementation of bold, new, and potentially transformative models for STEM graduate education training. The NRT program seeks proposals that explore ways for graduate students in research-based master's and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers.

The NRT Program requests proposals in any interdisciplinary research theme of national priority, with special emphasis on the six NSF Research Big Ideas. The NSF Research Big Ideas are Harnessing the Data Revolution (HDR), The Future of Work at the Human-Technology Frontier (HTF), Navigating the New Arctic (NNA), Windows on the Universe: The Era of Multi-Messenger Astrophysics (WOU), The Quantum Leap: Leading the Next Quantum Revolution (QL), and Understanding the Rules of Life: Predicting Phenotype (ROL).

Proposals that align with one of the NSF Research Big Ideas should contain a title to reflect that alignment, as described in the program solicitation (e.g. NRT-HDR: title or NRT-QL: title).

NSF Letter of Intent Deadline: 12/06/19

NSF Full Proposal Deadline: 02/06/20

Solicitation Site: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505015