



To: Distribution List

From: Faculty Research Development Office (FRDO)
Office of the Vice President for Research

Subject: Limited Competition: NSF Research Traineeship Program (NSF 19-522)

Date: July 31, 2019

UNM Researchers,

The Office of the Vice President for Research is requesting statements of interest for the NSF Research Traineeship Program (NRT) funding opportunity. The NRT program seeks proposals that test, develop, and implement innovative, evidence-based, and highly effective STEM graduate education models that are aligned with changing workforce and research needs, promote interdisciplinary and broad professional training of graduate students, and foster fundamental research advances in support of national priorities.

For FY2020, the NRT Program requests proposals in any interdisciplinary or [convergent](#) research theme of national priority, while highlighting the six research areas in NSF's 10 Big Ideas as specific high priority research areas. The NSF research Big Ideas are Harnessing the Data Revolution, The Future of Work at the Human-Technology Frontier, Navigating the New Arctic, Windows on the Universe: The Era of Multi-Messenger Astrophysics, The Quantum Leap: Leading the Next Quantum Revolution, and Understanding the Rules of Life: Predicting Phenotype.

A **required** letter of intent is due to NSF between November 25, 2019 and December 6, 2019. The deadline for full proposals is February 6, 2020. Complete program details can be found at:
<https://www.nsf.gov/pubs/2019/nsf19522/nsf19522.htm>.

This is a limited competition. An institution may **participate** in only **two (2) traineeship proposals per competition**. **Participation includes serving as a lead organization, non-lead organization, or sub-awardee on any proposal.**

If you are interested in submitting a proposal or participating as a sub-awardee on a proposal, please **follow this required two-step process**:

1. By noon on **Wednesday, September 4, 2019**, please submit a **required statement of interest** to limited@unm.edu that contains:
 - a) name and departmental affiliation of the Principal Investigator (PI);
 - b) name(s) and departmental affiliation(s) of the Co-PI(s) and others composing the Core Participants (maximum 10);
 - c) names(s) of any other (non-lead) participating institutions or organizations; and
 - d) a tentative project title and brief description of 200 words or less that includes the NSF Big Idea that will be addressed.

Please indicate whether you will be submitting as a lead in a non-collaborative proposal; or as a lead, non-lead, or sub-awardee in a collaborative proposal. **Only PI's who have submitted a statement of interest will be eligible to submit a pre-proposal.**

2. By noon on **Wednesday, September 18, 2019**, please submit a **required 4-page preliminary proposal** (plus budget and CV for PI and Co-PIs; all documents in a SINGLE PDF file, 11 point font) to limited@unm.edu that begins with:
 - a) name and departmental affiliation of the Principal Investigator (PI);
 - b) name(s) and departmental affiliation(s) of the Co-PI(s) and others composing the Core Participants (maximum 10 - including the evaluator);
 - c) names(s) of any other (non-lead) participating institutions or organizations; and
 - d) Target Disciplines: List up to 5 primary disciplinary areas contributing to the research focus.

The body of the pre-proposal must contain the following components:

- **Theme, Vision, and Goals:** Describe the overarching theme, vision, and goals of the proposed NRT. Identify the potential of the NRT project to provide appreciable and meaningful added value to the current degree programs and methods of graduate training at the UNM and the potential for high impact synergies among the disciplines, specifically highlighting the capacity of the program to broaden participation.
- **Education and Training:** Address training needs that are not currently available at UNM and/or in disciplines. Provide clear and compelling connections between the training elements and the interdisciplinary research theme. Describe the adopted traineeship model and its components, and how they are integrated with NRT research activities. Articulate explicit approaches to provide NRT trainees with professional development training for a range of research and research-related career pathways, *both within and outside academia*.
- **Major Research Efforts:** Briefly describe the novel, potentially transformative research that the NRT will catalyze through interdisciplinary synergies emerging from currently funded activities at UNM and/or via separate NRT-funded interdisciplinary initiatives. Explain how the NRT-funded research would substantially advance, inform, and transform research beyond funded initiatives already underway at the UNM. Keep in mind that NRT funding should be used to complement rather than supplant other research funding.
- **Recent Student Training Experiences:** Describe the experience of the PI and Co-PIs with leading or participating in STEM education and training over the past five years. Describe any overlap and/or complementarity between the training and the proposed NRT program.
- **Organization and Management:** Describe how the leadership team will foster a sense of community among project participants (faculty, trainees, evaluator, staff, and collaborators) through activities and practices.
- **Recruitment, Mentoring, and Retention:** Describe plans for recruitment, mentoring, and retention of trainees with a particular emphasis on broadening participation of groups underrepresented in STEM fields to integrate diversity into NSF programs, projects, and activities.
- **Performance Assessment/Project Evaluation:** Describe plans to evaluate the success of the training keeping in mind that assessment of the project is a high priority for the NRT program.

Should you have any questions please feel free to contact us at limited@unm.edu.

Please distribute this notice to departments and individuals whom you believe would be interested.

If you are affiliated with HSC, please contact Corey Ford (CFord@salud.unm.edu) or Cassandra Misenar (CMisenar@salud.unm.edu) for more information.