

To: Distribution List

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

Subject: Limited Competition: NSF Science and Technology Centers: Integrative Partnerships (NSF 19-567)

Date: March 20, 2019

UNM Researchers,

The Office of the Vice President for Research is requesting pre-proposals for the NSF Science and Technology Centers (STC): Integrative Partnerships funding opportunity. The STC program supports exceptionally innovative, complex research and education projects that require large-scale, long-term awards. STCs focus on creating new scientific paradigms, establishing entirely new scientific disciplines and developing transformative technologies which have the potential for broad scientific or societal impact. STCs conduct world-class research through partnerships among institutions of higher education, national laboratories, industrial organizations, other public or private entities, and via international collaborations, as appropriate. They provide a means to undertake potentially groundbreaking investigations at the interfaces of disciplines and/or highly innovative approaches within disciplines. STCs may involve any area of science and engineering that NSF supports. Please read the solicitation carefully if you are interested in submitting a proposal (<https://www.nsf.gov/pubs/2019/nsf19567/nsf19567.htm>).

Proposed STC annual budgets may range up to \$5 M per year of NSF support. The initial commitment for this Cooperative Agreement is 5 years, with the possibility of a 5-year continuation. **Required preliminary proposals are due to NSF on June 25, 2019.**

A single organization may submit a maximum of **three (3) preliminary proposals** as the lead institution. Full proposals are to be submitted only by invitation by NSF. A PI or co-PI on one proposal in this competition may not be a participant in another STC proposal under review in the same competition. It is expected that the Center Director will have experience in leading research teams and communicate effectively with NSF and the other STCs. Key members of the Center management team must possess appropriate management experience and qualifications to administer their components of the Center.

If you are interested in submitting a preliminary proposal, you must submit a statement of interest to limited@unm.edu by noon, Tuesday, April 2, 2019 that includes: PI and Co-PI names, institutions, and areas of expertise; focus of the proposed Center; and confirmed or likely partnering organizations.

Following this statement of interest, a **5-page pre-proposal addressing the required elements below is due by noon Wednesday, April 17, 2019**. In addition to the narrative, please include a budget overview, a list of references, and NSF formatted CVs for the PI and Co-PI's. Please submit all documents in a SINGLE PDF file with 11 point font to limited@unm.edu with the subject line: NSF STC - your last name. No late submissions will be considered.

STC pre-proposal required elements (5 pages total, not including budget, references, and CVs):

I. Center Rationale

Articulate your vision for the proposed Center that clearly outlines the grand challenge(s) being addressed, breakthroughs being sought, potential impacts, and intended legacies of the center. Explain the unique opportunities that an integrated STC will provide and what will be achieved in the center mode that could not be achieved with other NSF funding

mechanisms, including other NSF centers programs. Address the timeliness of the proposed center (why is this the right time for the center and why is this an important area for a research investment at this time).

II. Center Plan

Provide an overview of your research plan, in the context of national and global landscapes of relevant scientific fields to justify the necessity for the center mode of operation. Delineate what you anticipate will be the major accomplishments over the first five years of the Center's existence.

III. Team Description

Provide a listing of and describe the role and assets that each participating organization brings to the center. List and briefly describe the role that each team member will have in addressing the center's goals. Highlight the unique assets and strengths of the proposing team compared to other groups working in related areas.

IV. Integration Strategies

Describe how the proposed research areas/themes integrate with each other to realize the Center's research vision. Describe the focus of the education, broadening participation, and knowledge transfer activities. Outline how the integration of research, education, and knowledge transfer, in a center-level activity, will advance the proposed research. Identify activities and mechanisms that will enable cross-organizational and cross-sector integration of the team.

If you have questions, please contact limited@unm.edu.

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