



To: Distribution List

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

Subject: Limited Competition: Partnerships for Research and Education in Chemistry (PREC)

Date: October 25, 2021

UNM Researchers,

The CHE Partnerships for Research and Education in Chemistry (PREC) program aims to enable, build, and grow partnerships between minority-serving institutions (MSIs) and CHE-supported Centers for Chemical Innovation, NSF's ChemMatCARS, the Molecular Sciences Software Institute (MolSSI), or the Molecule Maker Lab Institute (MMLI) to increase recruitment, retention and degree attainment (which defines the PREC pathway) by members of those groups most underrepresented in chemistry research, and at the same time support excellent research and education endeavors that strengthen such partnerships. The PREC program includes two Tracks to catalyze the development of research and educational endeavors at MSIs as well as to improve the PREC pathway. Track 1 and Track 2 proposals differ in scale, scope, and emphasis. Track 1 focuses efforts on establishing and strengthening the PREC pathway through smaller research and education collaborations. Track 2 includes improvements and expansions of the PREC pathway while also building larger collaborations and capacity for research at the MSIs with support for the integration of research and education efforts. The full solicitation can be found at <https://www.nsf.gov/pubs/2021/nsf21620/nsf21620.htm>.

A PREC award may address any area of research supported by the NSF Division of Chemistry including experimental and theoretical research in the major subfields of chemistry that are supported through the Disciplinary Research Programs: Chemical Synthesis; Chemical Catalysis; Chemical Theory, Models, and Computational Methods; Chemical Structure, Dynamics, and Mechanisms A and B; Chemical Measurement and Imaging; Environmental Chemical Sciences; Chemistry of Life Processes; Macromolecular, Supramolecular, and Nanochemistry. Interdisciplinary projects at the interface between these chemistry areas and other disciplines and chemistry sub-fields may also be considered, although the bulk of the effort must fall within one of those areas within the purview of the Division of Chemistry. For a detailed description of the research supported by the CHE core programs visit <https://www.nsf.gov/che>.

In FY2022 Track 1 awards are expected to be up to \$300,000 per year for up to 3 years. Track 2 awards are expected to be up to \$600,000 per year for up to 3 years. Proposals are limited to one per lead institution and must be submitted by a minority-serving college or university. Full proposals are due January 21, 2022.

This is a limited competition. Only one application per lead institution is allowed. Please submit a 3-page pre-proposal (plus a draft budget and CVs; 11 point font) by NOON on November 8, 2021 via the UNM InfoReady Review portal <https://unm.infoready4.com/>. No late submissions will be considered.

The pre-proposal should address the major requirements of the proposal: Track 1 proposals must include the following:

- Provide a list of participating faculty and/or scientific personnel from both the lead institution and from the partnering center, institute or facility. (The NSF solicitation provides a list of Eligible Partners.)
- Partnership vision statement: concise vision for the proposed partnership, i.e., the framework, is provided by describing its overall research and education goals, along with the diversity objectives.
- Research description that defines the research goals, planned research and education activities; and the role/contribution of each faculty member both at the lead institution and at the Center, institute or facility.
- Description of the scope of the partnership; advancement in diversity and research capacity; strategy for increased recruitment, retainment, and/or degree attainment in the PREC pathway; and impacts of partnership both on the minority-serving institution and the CHE-supported center, institute, and/or facility. Address
- In addition to the Track 1 requirements, **Track 2** preproposals must include a management plan for the administration of the PREC and an evaluation plan which describes how increases in diversity, research and education outputs will be evaluated (internally and/or externally).

Should you have any questions please feel free to contact us at 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.