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

Subject: Limited Competition: NSF 23-608, Predictive Intelligence for Pandemic Prevention Phase II (PIPP Phase II Centers Program)

Date: 8/14/2023

Dear UNM Researchers,

The PIPP initiative focuses on foundational research and development activities needed to **tackle grand challenges in infectious disease pandemics through prediction and prevention**. The PIPP Phase II Centers Program expands upon the Phase I Development Grant Program and is the NSF's flagship program to establish a network of Centers or large-scale awards/investments that will support interdisciplinary team-based approaches to accelerate research and development activities in emerging infectious diseases and pandemics. The overall goal of the PIPP Phase II Centers program is to support research and development activities needed to **transform society's ability to forecast the likelihood of pandemic-scale events, detect outbreaks early, and respond efficiently**.

Informed by visioning activities in the scientific community, as well as a previous round of development grant activities (PIPP Phase I), this program invites proposals for Centers that have a principal focus in one of the following multidisciplinary themes:

Theme 1: **Pre-emergence** - Predicting and detecting rare events in complex, dynamical systems

Theme 2: **Data, AI/ML & Design** - Computing, manufacturing & technology innovation for pandemics

Theme 3: **The Host as the Universe** - Identifying host-pathogen tipping points that dictate control or spread of an infection

Theme 4: **Human Systems** - The role of human behavior, activities and environments in disease emergence, transmission, and response or mitigation

These components directly support the NSF's strategic goals by funding cutting edge science aimed at societal challenges and opportunities that face the Nation, while concurrently working to develop a globally competitive and diverse science, engineering and technology-adept workforce.

The Directorates for Biological Sciences (BIO), Computer Information Science and Engineering (CISE), Engineering (ENG), Social, Behavioral and Economic Sciences (SBE), and Mathematics and Physical Sciences (MPS) are jointly collaborating to support the PIPP Phase II activities. Involvement of and collaboration with other research communities with significant effort in related spaces, including use-inspired research is highly encouraged.

Complete details can be found at <https://www.nsf.gov/pubs/2023/nsf23608/nsf23608.htm>. The deadline for submitting full proposals to the agency is **December 8, 2023**.

This is a Limited Competition. UNM is limited to **ONE** application for this award. If you are interested in submitting to this program, please submit a 200-word statement of interest with a tentative project title and a brief description by **noon, August 14, 2023** via UNM's [InfoReady Review portal](#). Based on the number of responses received, the Limited Competitions Management Team may announce a call for pre-proposals.

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

If you are affiliated with HSC, please contact HSC Limited Competition at HSC-LimitedComps@salud.unm.edu for more information.