



## NCKRI-NMT Internal Seed Grant Program FY 2023/2024

**Deadline: October 25<sup>th</sup>, 2023**

The New Mexico Institute of Mining and Technology, on behalf of the National Cave and Karst Research Institute (NCKRI) invites proposals for FY2023/2024 Seed Grants in support of cave and karst research at New Mexico Tech.

Application deadline: October 25<sup>th</sup>, 2023, 5:00 PM Mountain Time

### **Background and Goals**

NCKRI is a non-profit government-supported institute headquartered in the City of Carlsbad, New Mexico. Its goals are to conduct, support, facilitate, and promote programs in cave and karst research, education, environmental management, and data acquisition and sharing. NCKRI is a research center of New Mexico Institute of Mining and Technology (a.k.a. New Mexico Tech or NMT), and was created by the US Congress in 1998 in partnership with the National Park Service, State of New Mexico, and the City of Carlsbad. Federal and state funding for NCKRI is administered by the New Mexico Institute of Mining and Technology.

In 2019, NCKRI initiated an internal seed grant program designed to support and expand cave and karst research at NMT. These seed grants are intended to enable NMT investigators to initiate new cave and karst research, and expand NCKRI's research footprint by enhancing collaborations with NMT faculty and students.

This funding opportunity is made possible in part by generous support from the National Park Service, through a Cooperative Agreement with the United States Department of the Interior, National Park Service under CFDA 15.944 - Natural Resource Stewardship.

### **Application Criteria for Internal NMT Seed Grants**

Faculty and senior research staff in any academic department or research center at New Mexico Tech are invited to apply. Only one application per PI is allowed.

- 1. New research:** Only new, unfunded projects will be considered, and seed grant funds may not be used to support existing studies. Because these grants are intended as seed money to enable new research directions, the investigator should not have published on the research or received funding for it from another agency, and should clearly describe how the proposed activity truly represents a new direction for them or their research group.

2. **Clear relevance to cave and karst science:** NCKRI's goals are to conduct, support, facilitate, and promote programs in cave and karst research; thus, the research described in the proposal should be clearly relevant to cave and karst science. Basic and applied research in any field of cave and karst science will be considered.
3. **Research addressing the priorities of the National Park Service:** NCKRI seed grant funds are made possible by support from the National Park Service. For this call, proposals must include a research, educational, or outreach component that takes place in a national park, monument, preserve, historic site, or other unit within the National Park System. Priority will be given to projects addressing fundamental scientific questions or management applications within the National Park System. Proposals for work in a national park should include a letter of support from an appropriate authority at the park.
4. **Collaborations with NCKRI staff (encouraged but not required):** One of the goals of the internal seed grant program is to enhance collaboration between NCKRI staff in Carlsbad and NMT researchers. Collaborations with NCKRI staff are therefore encouraged. If NCKRI staff are involved but not formally listed as a PI or Co-PI, a letter of support from the NCKRI staff member should be included.
5. **Outreach:** Each project must include an outreach component. Examples of appropriate outreach projects are instructional programs in a K-12 setting, video presentations of research posted on an institutional or NCKRI video channel, collaboration with a show cave or museum (including the NCKRI museum), college-level outreach initiatives, or collaboration with an artist. Investigators or their students/postdocs should expect to spend a total of 5-10 hours on outreach in addition to preparation time.

Finalists will be selected based on scientific merit and quality of the proposal, alignment with cave and karst science and NCKRI research priorities, and the potential longevity of the proposed research (that is, the likelihood that pilot data obtained from the project will make the research team competitive for support from other funding agencies). Lead PIs cannot be a lead PI on a currently funded NCKRI seed grant.

### **Budgetary information**

NCKRI expects to support one project with a total award of up to \$25,000, contingent on funding availability. Project periods may be up to 12 months, and funds must be fully expended one year from the designated start date.

The budget and budget justification should be two pages in length. Please include an itemized budget (1 page) and budget justification (1 page) including details of personnel (salaries, fringe), materials and supplies, analytical costs, other expenses, and travel.

### **Reporting and award conditions**

Awardees will be featured on the NCKRI website and annual report, and will be required to provide a conceptual summary and a figure of their proposed research for the NCKRI website and report before any funds are disbursed. A final report will be due to NCKRI by the designated project completion date, including a list of any presentations and publications resulting from the research. We will also request that investigators provide a 2-3 page summary for the NCKRI annual report and website (2-3 pages, 2-3 figures).

NCKRI requests a copy of published materials such as manuscripts, dissertations/theses, or technical reports that result from the supported research, as well as acknowledgement in any publications or presentations.

### **To Apply**

Please submit a proposal document containing the following sections as a single merged pdf using our online application system by the deadline.

The proposal will include the following parts:

1. Title, list of PIs/Co-Is, and summary (150 words maximum) on a single page.
2. Proposal document – **5 pages maximum** (1-inch margins, 12 pt. font, Times New Roman or equivalent font) which includes the following sections in no particular order:
  - a. Project description, including a brief background, objectives, and approach, with sufficient technical detail to pass review. This section must also include a description of the work to be performed in a National Park Service unit.
  - b. Significance of the proposed research to cave and karst science.
  - c. Description of the research team, including the roles and qualifications of the PIs and Co-PIs, graduate students, or any other personnel involved.
  - d. Description of outreach activity.
  - e. Project timeline and activity schedule (small table or graphic).
3. Literature cited.
4. Itemized budget (1 page) and justification (1 page), including salaries, supplies, equipment, etc. Budgets may not exceed \$25,000.
5. CV – 2 page CV for each PI and Co-PI.
6. Letter(s) of collaboration or support.

Applicants are also asked to provide the name, affiliation, phone and email address of 3-6 unconflicted reviewers.

### **Questions**

Please direct any questions about submission or budget preparation to Judith McShannon (Judith.McShannon@nmt.edu). Other questions about this RFP should be directed to Daniel Jones, NCKRI Academic Director (daniel.s.jones@nmt.edu).