



Title

MIT Space Health Sciences and Technology Seed Grant

Funding Agency

MIT Space Health Sciences and Technology Seed Grant and TRISH

Deadline

March 24th 2025 11:59 PM ET

Description

The Translational Research Institute for Space Health (TRISH) is a NASA-funded consortium led by Baylor College of Medicine with MIT and Caltech. TRISH's mission is to solve healthcare challenges associated with human deep space exploration. TRISH focuses on funding and developing high-risk/high-reward projects that advance space medicine specifically in relation to future missions to the moon and Mars.

TRISH has established the MIT Space Health Sciences and Technology Seed Grant to leverage the innovation and technology development ecosystem at MIT. The goal is to provide seed grants to support very early, high-risk projects that TRISH would otherwise not see because projects may be too early for traditional TRISH funding. Additionally, TRISH is interested in supporting projects and technologies that are well advanced, but where the principal investigators (PIs) have not appreciated how their technology could map to NASA needs.

Eligibility Criteria

Principal Research Staff, Tenure-Track Faculty, Tenured Faculty; student involvement is encouraged.

Anticipated funding

Grant Amount: Up to \$50,000 direct funding

Number of Grants Available: 2-3

Grant Period: April 1st- Aug 31st

Pre-award spending is allowed.

No cost extensions will not be allowed.

Important dates:

Application deadline: March 24th 2025

Announcement of Grant Recipients: March 28th, 2025

Project start date: April 1st, 2025
Project end date: August 31st, 2025

Research Areas of interest

The MIT Space Health Sciences and Technology Seed Grant supports projects that address risks identified by NASA's Human Research Program (see link below).

Reporting Requirements:

Final project reports will be due on September 31st, 2025

Guidelines & Other Information:

NASA Human Research Roadmap: <https://humanresearchroadmap.nasa.gov/intro/>

Proposal Requirements

Three pages total, up to two pages of project description. Applications must include the following elements:

- A title page containing the title of the proposal, PI name(s), contact information and team.
- A project description with a clear indication of relevance to NASA's overall mission and identified research risks and knowledge gaps (<https://humanresearchroadmap.nasa.gov/Risks/>) as well as specific milestones as appropriate. The project description should be a maximum of two pages including all figures, tables and other display items (minimum of 12-point font, single spacing, and 1-inch margins). References can be included on a separate page.
- A simple budget including distribution between personnel, materials, equipment as well as how the cost-sharing requirement will be met.
- A two-page NSF or NIH style biographical sketch.
- Current and pending support in either NIH or NSF format.
- Applications should not include appendix material such as additional tables, figures, movies, reprints, or preprints.

Questions and proposal ideas can be directed to the steering committee: Prof Lonnie Petersen (lgpeters@mit.edu) MIT-PI for TRISH

Applications should be sent in a single PDF file to lgpeters@mit.edu and thomas@mit.edu

Evaluations and selection will be done by the steering committee in collaboration with TRISH and HRP, NASA.

Submissions and awards for this grant program will be processed through TRISH and the Office of Sponsored Research.