



Research Development Team

Limited Submissions

Sponsor: National Science Foundation (NSF)
Program: Improving Undergraduate STEM Education: Pathways into the Earth, Ocean, Polar and Atmospheric & Geospace Sciences (IUSE:GEOPATHs)

Estimated Award Amount: \$350,000
JHU Nomination Limit: 1
For More Detailed Information Click [Here](#)

Deadlines:

Internal Application: October 27, 2020
Letter of Intent: November 17, 2020
Full Application: January 26, 2021

Opportunity Summary:

The IUSE:GEOPATHs funding opportunity invites creative proposals to identify, broaden, strengthen and sustain the pathways that will engage and retain diverse students in pre-college, undergraduate and graduate geoscience degree programs. Additionally, skill and competency building for a variety of career pathways is of interest. Projects are expected to utilize effective, evidence-based strategies for improving student engagement, support and retention, and to expose students to meaningful experiences through creation of *geoscience learning ecosystems (GLEs)* that leverage STEM stakeholder networks, academic and/or non-academic research activities and instrumentation infrastructure. The underlying hypothesis is that novel, authentic, career-relevant geoscience experiences for broader student populations will augment existing curricula and increase students' identification with the geosciences that will ultimately increase the students' desire to pursue degrees and geoscience-related careers.

This solicitation offers three funding tracks that focus on *Geoscience Learning Ecosystems (GLEs)*.

GEOPATHs: Informal Networks (IN). Collaborative projects in this track will support geoscience learning and experiences in informal settings for teachers, pre-college or community college students.

GEOPATHs: Undergraduate Preparation (UP). Projects in this track will engage students in extracurricular research experiences and training in the geosciences with a focus on service learning and workplace skill building.

GEOPATHs: Graduate Opportunities (GO). Projects in this track will improve research and career-related pathways into the geosciences for undergraduate and graduate students through institutional and employer collaborations with a focus on workplace learning and workforce skill building.

Eligibility & Requirements:

- **Johns Hopkins University may submit proposals as the sole submitting organization or lead institution in a collaborative proposal in the IN and GO tracks only.**
- JHU may only submit proposals as the non-lead institution of a collaborative GEOPATHs:UP proposal.
- An organization may serve as sole submitting organization or as lead organization of a collaborative project on only one submission per competition, regardless of track, but may serve as the non-lead organization of a collaborative project more than once per competition.
- A Principal Investigator may serve in the role of PI or Co-PI on only one proposal per competition if they are at the sole-submitting organization or the lead organization of a collaborative project, but may serve as the Co-PI for a non-lead organization of a collaborative project more than once per competition.

Internal Nomination Process:

Interested applicants should submit the following documents:

1. [JHU Limited Submission Cover Sheet](#)
2. Proposal (maximum of two pages of text only, single spaced: 12-pt font and one-inch margins)
(Note: figures, tables, and other reference material may be included in addition to the 2 pg. text limit)
3. Curriculum Vitae of investigator, including current external research support and publications
4. Budget (two pages maximum)

[Click Here to Apply](#)

Questions? Comments? Email the Research Development Team at resapp@jhu.edu.