

Getting Started in GER

Institutional Review Board (IRB) Categories

Exempt Status

Still requires IRB review. Lowest risk to research subjects.

- *The probability and magnitude of physical or psychological harm that is normally encountered in the daily lives, or in the routine medical, dental, or psychological examination of healthy persons.*
- Involves collection of anonymous or publicly-available data or data collected in common educational settings.
- Examples:
 - Anonymous surveys, analysis of previously-collected, aggregated student data from exams or tests

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Expedited Status

The research must not be greater than minimal risk but involves collection of data that is not anonymous

- Examples:
 - Collection of data from voice, video, digital, or image recordings.
 - Research on individual or group characteristics or behavior or research employing survey, interview, oral history, focus groups.

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Institutional Review Board (IRB) Process

Complete a form with:

- Detailed project summary
- Description of participants and how related data will be collected, stored, reported.
- Typically requires an
 - Informed Consent document that may be signed by participants

OR

- Implied Consent statement included on syllabus that allows students to opt out of study.

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NSF Programs of Potential Interest

NSF IUSE (Improving Undergraduate STEM Education) proposals that address immediate challenges and opportunities that are facing undergraduate STEM education, as well as those that anticipate new structures and new functions of the undergraduate learning and teaching enterprise.

- Engaged student Learning Track - Research, Design, and Development studies that involve creation, exploration, and implementation of tools, resources, or models
- Institutional and Community Transformation Track - Projects that use innovative approaches to substantially increase the propagation of highly effective methods of STEM teaching and learning in institutions of higher education
- More small "Exploration" projects and fewer large "Design and Development" projects with funds from ~\$300,000 to >\$600,000

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NSF Programs of Potential Interest

NSF IUSE:GEOPATHS increase the number of undergraduate students interested in pursuing undergraduate degrees and/or post-graduate degrees in geoscience through the design and testing of novel approaches for engaging students in authentic, career-relevant experiences in geoscience.

Maximum Award Amount: \$350,000

Letter of Intent due August 16; Proposals due October 11, 2016

1. Engaging students in the geosciences through extra-curricular experiences and training activities (GEOPATHS-EXTRA) [non-R1 preference]; and
2. Improving pathways into the geosciences through institutional collaborations and transfer (GEOPATHSIMPACT)

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NSF Programs of Potential Interest

NSF INCLUDES (Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science) aimed at broadening participation in science and engineering.

NSF is particularly interested in using approaches to scaling and growth such as collective impact, networked communities and strategic partnerships. The objective is to develop networks that involve representative organizations and consortia from different sectors that are committed to a common agenda to solve a specific STEM inclusion problem at scale.

First round of funding earlier, 2016 ~40 Design and Development Launch Pilots at ~\$300,000 each.