FALL GRANTS CONFERENCE

NOVEMBER 18 – 19, 2019 • BOSTON, MASSACHUSETTS

Funding Types

National Science Foundation

Speakers

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Types of NSF Proposals

- Research
- RAPID & EAGER
- RAISE
- GOALI
- Ideas Lab
- FASED
- Conferences
- Equipment
- Travel
- Centers
- Research Infrastructure
- Fellowships

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Grants for Rapid Response Research (RAPID)

The RAPID funding mechanism is for projects having a severe urgency with regard to availability of, or access to data, facilities or specialized equipment, including quick-response research on natural or anthropogenic disasters and similar unanticipated events.

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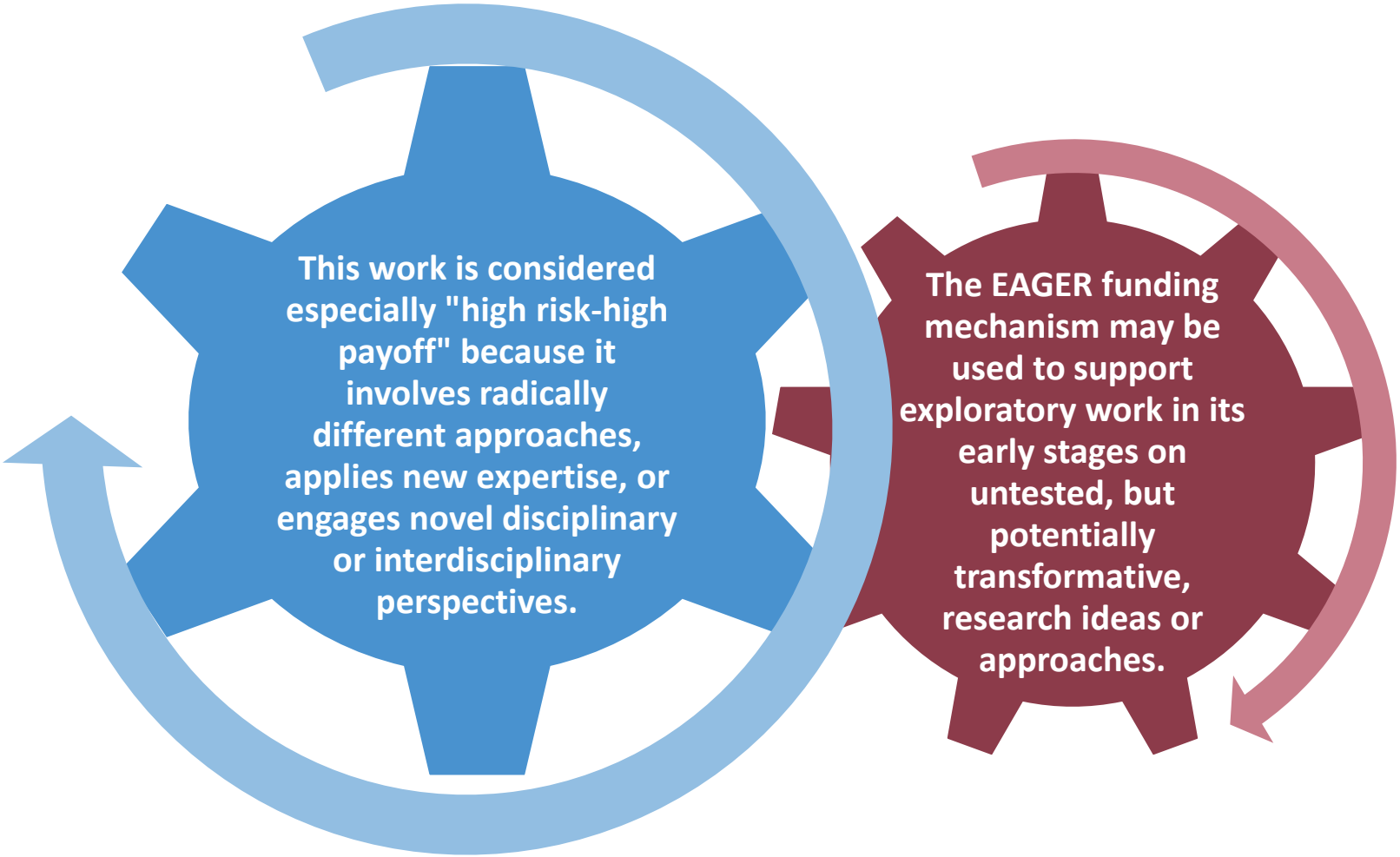
EArly-concept Grants for Exploratory Research (EAGER)



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Research Advanced by Interdisciplinary Science and Engineering (RAISE)

- Supports bold, interdisciplinary projects
- Proposals may be up to $1 million and five years and require the approval of two different programs of NSF
- Submitted as a single project with subawards
- Must address how the project is better suited for RAISE than a regular NSF proposal
- Internally reviewed

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Grant Opportunities for Academic Liaison with Industry (GOALI)

- Stimulates collaboration between academic research institutions and industry
- Funding requested either in conjunction with a regular proposal to a standing program or as a supplement to an existing NSF award
- Proposer must contact NSF Program Officer prior to submission
- Special interest is focused on opportunities for:
  - Interdisciplinary university-industry teams where industry provides critical research expertise;
  - Faculty, postdoctoral fellows and student to conduct research and gain experience in an industrial setting; and
  - Industrial scientists and engineers to bring industry's perspective and integrative skills to academic.

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Ideas Lab

Supports the development and implementation of creative and innovative project ideas that have the potential to transform research paradigms and/or solve intractable problems.

Project ideas typically will be high-risk/high-impact, as they represent new and unproven ideas, approaches and/or technologies.

Modeled on the "sandpit" workshops that are a key component of the United Kingdom Research Council's "IDEAs Factory" program.

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Facilitation Awards for Scientists & Engineers with Disabilities (FASED)

- Designed to reduce or remove barriers to participation in research and training by persons with physical disabilities by providing special equipment and assistance under NSF awards
- Encourages persons with disabilities to pursue careers in science and engineering
- NSF Program Officers make decisions what constitutes appropriate support on a case-by-case basis.
- Requests are made in conjunction with regular competitive proposals or as supplemental funding requests to existing NSF awards.

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Conferences

- NSF supports conferences in special areas of science and engineering that bring experts together to discuss recent research or education findings or to expose other researchers or students to new research and education techniques.
- Conferences will be supported only if equivalent results cannot be obtained at regular meetings of professional societies.
- Proposals should generally be made at least a year in advance of the scheduled date.

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Equipment

- Proposals for specialized equipment may be submitted by an organization for:
  - Individual investigators;
  - Groups of investigators within the same department;
  - Several departments;
  - Organization(s) participating in a collaborative or joint arrangement;
  - Components of an organization; or
  - A region.
- One individual must be designated as PI.
- Investigators may be working in closely related areas or their research may be multidisciplinary.
- Major Research Instrumentation (MRI) Program for large-scale instrumentation acquisition.

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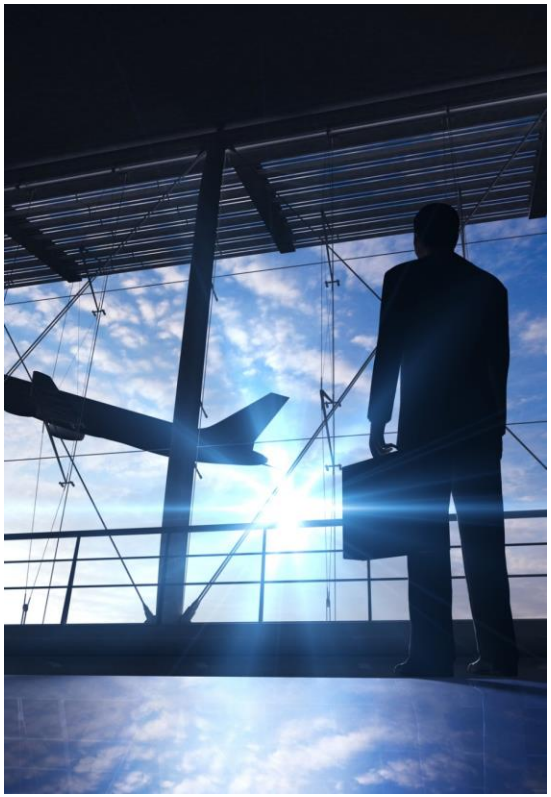
Travel

- Proposals for participation in scientific and engineering meetings held in the U.S. and abroad are handled by the NSF organizational unit with program responsibility for the area of interest.
- Group travel awards are encouraged as the primary means of support for conference travel.



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Centers

- Centers exploit opportunities in science, engineering and technology in which the complexity of the research problem(s) or the resources needed to solve the(se) problem(s) require the advantages of scope, scale, change, duration, equipment, facilities, and students that can only be provided by an academic research center.
- Most Center awards are limited to a maximum duration of ten years and are often subject to mid-course external merit review.

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Research Infrastructure

- NSF provides support for the design, construction, operation and upgrade of research infrastructure including instrumentation, mid-scale projects and major facilities.
- The NSF process and funding mechanisms for development and implementation of research infrastructure projects depends, in part, on the scale of the project. The largest projects, major facilities, are typically supported through the Major Research Equipment and Facilities Construction (MREFC) account.

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Fellowship

- Two types of fellowships include Graduate Research Fellowships and Postdoctoral Fellowships
- Fellowships provide support for fellows with a focus on educational developments such as curricula development, training or retention.
- Consult the relevant program solicitation for further details.
- Fellowship programs available at:
  - nsf.gov/funding/education.jsp?fund_type=3

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For More Information

"Ask Early, Ask Often!"

- nsf.gov/staff
- nsf.gov/staff/orglist.jsp
- nsf.gov/about/career_opps/rotators/index.jsp

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