Proposal Preparation

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Ask Early, Ask Often!

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Coverage

- Finding Funding
- Proposal & Award Policies & Procedures Guide
 - Grant Proposal Guide (GPG)
- Sections of an NSF Proposal
- Proposal Development Strategies
- Budgetary Guidelines
- Support for Proposal Writing
- Grants for Rapid Response Research (RAPID)
 & EArly-concept Grants for Exploratory
 Research (EAGER)





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NSF Web Site	~
EARCH	

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Find Funding • Recent Funding • Due Dates • Preparing Proposals • About Funding



Funding

About Funding

A-Z Index of Funding Opportunities

Advanced Funding Search

Guide to Programs/Browse Funding Opportunities

Recent Funding Opportunities

Upcoming Due Dates

Proposals and Awards

Proposal and Award Policies and Procedures Guide

Introduction

Proposal Preparation and Submission

- Grant Proposal Guide
- Grants.gov Application Guide

Award Administration

Find Funding

The National Science Foundation promotes and advances scientific progress in the United States by competitively awarding grants and cooperative agreements for research and education in the sciences, mathematics, and engineering. MORE

A-Z INDEX OF FUNDING OPPORTUNITIES

<u>A | B | C | D | E | F | G-H | I | J-M | N | O-P | Q-R | S | T-Z</u>

FUNDING SEARCH

Full Text:		
NSF Organization:	Any BIO: Biological SciencesBIO/DBI: Biological InfrastructureBIO/DEB: Environmental BiologyBIO/EF: Emerging Frontiers	<u>^</u>
Program Status:	Active Funding Opportunities Currently Funded Programs Archived Programs	

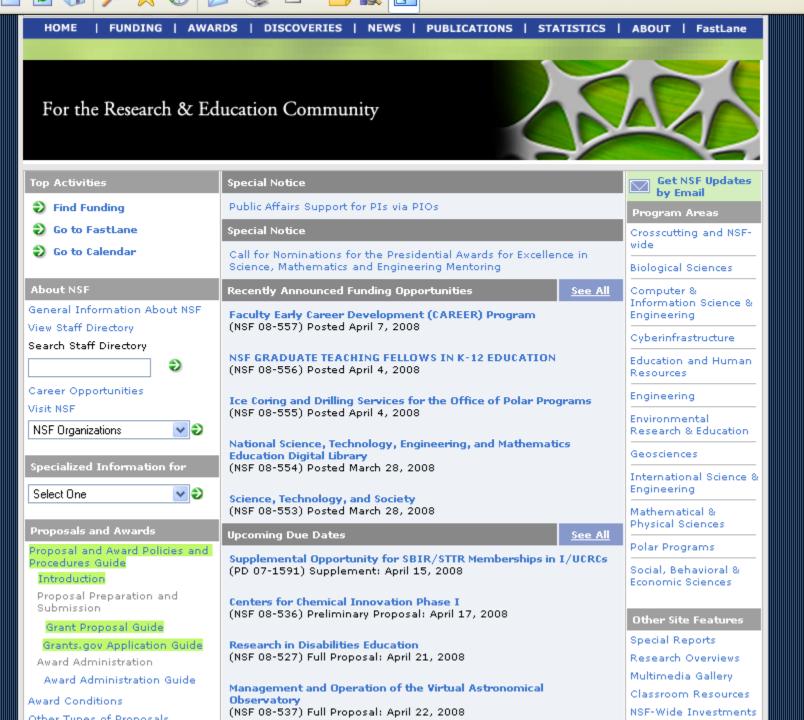
Reset

Search 🔵

Grant Proposal Guide (GPG)

- Provides guidance for preparation and submission of proposals to NSF
- Describes process and criteria by which proposals will be reviewed
- Outlines reasons why a proposal may be returned without review
- Describes process for withdrawals, returns & declinations





Types of Funding Opportunities

NSF uses the following types of funding opportunities

- Program Description
 - Follows GPG instructions
- Program Announcement
 - Follows GPG instructions
- Program Solicitation
 - Deviates/supplements GPG instructions
- Dear Colleague Letter
 - Not used to generate new proposals, however, can be used to generate funding requests to supplement an existing award



What to Look for in a Program Announcement/Solicitation

Goal of program

> Eligibility

Special proposal preparation and/or award requirements



Types of Proposal Submission

- >No deadlines
- > Deadlines
- >Target dates
- >Submission Windows
- > Preliminary proposals
- >Letters of Intent



Sections of an NSF Proposal

- > Cover Sheet
- Project Summary
- > Table of Contents
- Project Description
- > References Cited
- Biographical Sketch(es)

- Budget
- Current & Pending Support
- Facilities, Equipment & Other Resources
- Special Information& SupplementaryDocumentation



Proposal Development

- Key Questions for Prospective Investigator
 - What do you intend to do?
 - Why is the work important?
 - What has already been done?
 - How are you going to do the work?



Proposal Development Strategies: Individual Investigator

- Determine your long-term research/education goals or plan
- Develop your bright idea
 - Survey the literature
 - Contact Investigators currently working on the topic
 - Prepare a brief concept paper
 - Discuss with colleagues/mentors
- > Read solicitation instructions carefully



Proposal Development Strategies Individual Investigator

- Prepare to do the project
 - Determine available resources
 - Realistically assess needs
 - Develop preliminary data
 - Present to colleagues/mentors/students
- Determine possible funding sources
- Understand the ground rules



Mentoring for Postdoctoral Researchers

- Proposals that include funding to support postdoctoral researchers must include a description of the mentoring activities that will be provided for such individuals.
- Mentoring activities may include:
 - Career counseling;
 - Training in preparation of grant proposals;
 - Publications and presentations;
 - Guidance on ways to improve teaching and mentoring skills;
 - Guidance on how to effectively collaborate with researchers from diverse backgrounds and disciplinary areas; and
 - Training in responsible professional practices.



Mentoring for Postdoctoral Researchers

- Proposed mentoring activities will be evaluated as part of the merit review process under the Foundation's broader impacts merit review criterion.
- Beginning April 6, 2009, proposals that do not include a supplementary document on mentoring activities will be returned without review.
- Proposals submitted prior to April 6, 2009, must include a description of the mentoring activities as a separate section within the 15-page project description.



Budgetary Guidelines

> Amounts

- Reasonable for work Realistic
- Well Justified Need established
- In-line with program guidelines

> Eligible costs

- Personnel
- Equipment
- Travel
- Participant Support
- Other Direct Costs (including subawards, consultant services, computer services, publication costs)



Getting Support in Proposal Writing

- > NSF Publications
 - Program Announcements/ Solicitations
 - Grant Proposal Guide
 - Web Pages
 - Funded Project Abstracts
 - Reports, Special Publications
- Targeted Workshops
- Program Officers
 - Incumbent
 - Former "Rotators"

- Mentors on Campus
- Previous Panelists
- > Serve As Reviewer
- Sponsored Research Office
- Successful Proposals



EArly-concept Grants for Exploratory Research (EAGER)

- Exploratory work on *potentially transformative* untested/ novel research ideas or approaches *in their early stages*.
- "High risk-high payoff" projects that:
 - Involve radically different approaches;
 - Apply new expertise; or
 - •Engage novel disciplinary or interdisciplinary perspectives.



EArly-concept Grants for Exploratory Research (EAGER)

- Requests may be for up to \$300K and up to two years duration, but award size should be consistent with:
 - project scope; and
 - grants of a comparable size in similar areas
- Review process, no cost extensions, supplements, and follow-on proposals similar to RAPID



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"



Grants for Rapid Response Research (RAPID)

- Requests may be for up to \$200K and of one year duration but award size should be consistent with:
 - project scope; and
 - grants of a comparable size in similar areas.
- Project description is brief (two to five pages).
- > Only internal review required (external review in rare cases, permissible with notification to PI).
- No cost extensions and supplements will use existing NSF policies.
- ➤ Follow-on full proposals "RAPID renewals" externally reviewed.



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