

# **Great Grant Writing: Learning the Fundamentals of Effective Proposal Development**

**Jill Morris-IPR Grants Program Manager**

**Jeff Agnoli-Education, Funding and  
Research Development-Office of the Vice  
President for Research**

**Dinessa Solomon-Director of Foundation  
Relations for Ohio State**



# Contact Information

- Jill Morris  
[morris.856@osu.edu](mailto:morris.856@osu.edu) 688-5423
- Jeff Agnoli  
[Agnoli.1@osu.edu](mailto:Agnoli.1@osu.edu) 292-6269
- Dinessa Solomon  
[Solomon.189@osu.edu](mailto:Solomon.189@osu.edu) 688-3049

Please feel free to contact with any suggestions or questions

# AGENDA

- *OSP website*  
Videos to watch  
Training and events
- *Funding Opportunities*  
NIH, NSF and private foundations
- *NIH Key Points*  
Applicant tips  
Web links
- *NSF Key Points*  
Applicant tips  
Web links

# The following slides are from the Office of Research website: OSP.osu.edu/training/

Office of Research Training, Education, and Communication - Windows Internet Explorer

http://osp.osu.edu/training/

File Edit View Favorites Tools Help

Convert Select

Favorites desktop Get More Add-ons Open Notebook Suggested Sites

Office of Research Training, Education, and Communi...

The Ohio State University ORTEC

Help Buckeye Link Map Find People Webmail Search Ohio State

**THE OHIO STATE UNIVERSITY** Office of Research Training, Education, and Communication

OR  
ORC  
ORRP  
OSP  
ULAR

Search ORTEC

Go

**Home**

**About ORTEC**

**Additional Training & Education**

**Events**

**Contact Us**

**Research Online**

The Office of Research, Training, Education, and Communication ([ORTEC](#)) works with all Office of Research administrative units to develop and coordinate comprehensive training, education, and communication for The Ohio State University research community. Select the educational format that suits your schedule and learning preferences. Job Aids/Training Guides are available [here](#).

Course	Date	Class Format
<a href="#">NSF Early Career Development (CAREER) Award Outreach Workshop</a>	04/26	<a href="#">Register</a>
<a href="#">Proposal Development and Submission</a>	04/27	<a href="#">Register</a>
<a href="#">Clinical Trials Budgeting - Discussion and Resource Sharing</a>	05/03	<a href="#">Register</a>
<a href="#">Cost Sharing on Sponsored Programs</a>	05/03	<a href="#">Register</a>
<a href="#">IRB Forms Help - Behavioral/Social Sciences</a>	05/04	<a href="#">Register</a>
<a href="#">PI Portal Practice Lab</a>	05/05	<a href="#">Register</a>
<a href="#">Cayuse424 Introduction</a>	05/17	<a href="#">Register</a>
<a href="#">Grant Writing and Mentoring: A Panel Discussion</a>	05/17	<a href="#">Register</a>
<a href="#">IRB Process Workshop for Human Subjects Research</a>	05/19	<a href="#">Register</a>
<a href="#">College of Medicine OSP Award Reporting Tool Demonstration</a>	05/20	<a href="#">Register</a>

Internet 125%



# osp.osu.edu/training/

Office of Research Training, Education, and Communication - Windows Internet Explorer

http://osp.osu.edu/training/

File Edit View Favorites Tools Help

Convert Select


Favorites desktop Get More Add-ons Open Notebook Suggested Sites

Office of Research Training, Education, and Communi...

Page Safety Tools

<a href="#">The Research Experience at OSU</a>	10/2008	Online	
<a href="#">NSF Funded Faculty Panel Discussion</a>	10/2008	Online	
<a href="#">Universities Rising Above the Gathering Storm: Challenges in Aligning State and Federal Needs</a>	12/2007	Online	
<a href="#">Lee Fisher - Office of Research Symposium Series</a>	02/2009	Online	
<a href="#">American Heart Association - Peer Reviewer Panel Discussion</a>	11/2009	Online	
<a href="#">American Heart Association - Overview of the Grants@Heart Proposal System</a>	12/2009	Online	
<a href="#">Introduction to Cayuse424</a>	3/2009	Online	
<a href="#">NSF Early Career Award - Outreach Workshop</a>	4/2009	Online	
<a href="#">Removing the Barriers to Interdisciplinary Collaboration</a>	5/2009	Online	

Interdisciplinary collaboration takes finesse and perseverance. Panelists from three colleges will share their successes in removing barriers and achieving integrated academic goals that cross college boundaries. Carol Whitacre, Vice President for Research, will moderate the panel discussion. This workshop was originally offered by the Office of Human Resources - Academic Leader Development program.



Panel 1: Watch Video

Panel 2: Watch Video

<a href="#">Universities, Entrepreneurs, and Economic Development: Lessons from Alice's Adventures in Wonderland</a>	5/2009	Online	
<a href="#">Federal Science Research and Development Priorities for 2010 and Beyond</a>	9/2009	Online	
<a href="#">NIH Grant Application Format Changes: Panel Discussion Featuring Study Section Peer Reviewers</a>	1/2010	Online	
<a href="#">Human Participants in Research</a>	1/2010	Online	

Done

Internet 125%

**Videos worth watching! Look! There is John Casterline!**

## Particularly useful videos on [osp.osu.edu/training/](http://osp.osu.edu/training/):

- *NIH Grant Application Format changes: Panel Discussion Featuring Study Section Peer Reviews*
- *NSF Funded Faculty Panel Discussion*
- *NSF Early Career Award-Outreach Workshop*
- *Removing the Barriers to Interdisciplinary Collaboration*

# Funding-Why Bother?

## *BENEFITS*

- Release time
- Quarter off duty support
- HELP!-Post docs, GRA
- Promotion and Tenure
- Ability to pursue your passion

# **FUNDING SOURCES**

***NIH*** - Big & small money (NICHD, NIA)

***NSF*** - Big & small money

***Private Foundations***



# Nih funding opportunities

Funding Opportunities (RFAs, PAs) & Notices - NIH Guide for Grants and Contracts - Windows Internet Explorer

http://grants.nih.gov/grants/guide/index.html

File Edit View Favorites Tools Help

Convert Select

Favorites desktop Get More Add-ons Open Notebook Suggested Sites

Funding Opportunities (RFAs, PAs) & Notices - NIH Gu...

U.S. Department of Health & Human Services

www.hhs.gov

Office of Extramural Research  
National Institutes of Health

Contact Us | Print Version

Search: [ ] Go

Advanced Search | Site Map

Home About Grants **Funding** Forms & Deadlines Grants Policy News & Events About OER NIH Home

### Funding Opportunities and Notices

The **NIH Guide for Grants and Contracts** is the official publication for NIH medical and behavioral research grant policies, guidelines and funding opportunities. [Definitions and More Information...](#)

**Search the NIH Guide for:**

- ☒ [Active RFAs](#) (Requests for Applications)
- ☒ [Active PAs](#) (Program Announcements)
- ☐ [Recent Notices](#) (Released in Last 12 Months)
- [Inactive & Active Announcements](#) (use Advanced Search)

[Search Help](#)

**With Announcement # or Keywords:** (Optional)

[ ] [Search](#) [Advanced Search](#)

#### Related Resources

- [Grant Application Basics](#)
- [Grants Process Overview](#)
- [Submitting Your Application](#)
- [Applying Electronically](#)
- [Electronic Research Admin \(eRA Commons\)](#)
- [NIH Financial Operations \(w/Funding Strategies\)](#)
- [Archive of Selected Policy Notices \(1993 - Present\)](#)

#### Browse Active Funding Opportunities

- [Requests for Applications \(RFAs\)](#)
- [Program Announcements \(PAs\)](#)
- [Parent Announcements](#) (unsolicited applications)

#### Browse Recent Policies and Guidelines

- [Notices](#) (Released in last 12 months)

#### Recovery Act Funding

- [Current NIH Funding Opportunities and Notices](#)
- [Grant Funding Opportunities Web Page](#)

#### NIH Guide for Grants and Contracts Updates

- [New Announcements This Week](#) - Current Weekly Table of Contents (TOC)
- TOC by Year and Week: [2011](#) [2010](#) [2009](#) [2008](#) [2007](#) [All Years \(1970-2011\)](#)
- [Subscribe or Unsubscribe](#) to Weekly Update via E-mail LISTSERV
- [RSS Format](#) - NIH Funding Opportunities now available in RSS (Really Simple News Syndication) format.
- Follow NIH Funding Opportunities on [Twitter](#)

#### Other Funding Opportunities and Notices Listings

#### Funding Opportunities (RFAs, PAs) & Notices

- [Unsolicited Applications \(Parent Announcements\)](#)
- [Research Training & Career Development](#)
- [Small Business \(SBIR/STTR\)](#)
- [Contract Opportunities](#)

#### NIH-Wide Initiatives

- [New and Early Stage Investigators](#)
- [Stem Cell Information](#)
- [NIH Common Fund](#)
- [OppNet \(Behavioral & Social Sciences\)](#)

#### Award Data

- [NIH Reports \(RePORT\)](#)
- [Search NIH Awards \(RePORTER\)](#)

#### Global OER Resources

- [Glossary & Acronyms](#)
- [Frequently Used Links](#)
- [Frequently Asked Questions](#)

# Nih funding opportunities

- **Early career awards** for junior faculty and post docs
  - **PECASE**-Presidential early career award for scientists and engineers Program  
<http://grants.nih.gov/grants/policy/pecase.htm>
  - **K01**, F32, K99, R00, K22, R03

# Nih training grants

Kiosk - NIH Extramural Training: Information about NIH Career Development Awards - Windows Internet Explorer

http://grants.nih.gov/training/careerdevelopmentawards.htm

File Edit View Favorites Tools Help

Convert Select

Favorites desktop Get More Add-ons Open Notebook Suggested Sites

Kiosk - NIH Extramural Training: Information about ...

Using Career Development Awards to Achieve Independence (June 21, 2010) - MP3 (12 min) | Transcript

**Award Data**

NIH Reports (RePORT)  
Search NIH Awards (RePORTER)

**Global OER Resources**

Glossary & Acronyms  
Frequently Used Links  
Frequently Asked Questions

Program	Description
Policies and Notices	<a href="#">Career Award Policy Issues</a>
K01	<p><a href="#">Mentored Research Scientist Development Award (Parent K01)</a> <b>NEW</b> (Use for June 12, 2011 and subsequent due dates. See <a href="#">NOT-OD-11-063</a> for details.)</p> <p><a href="#">Mentored Research Scientist Development Award (Parent K01)</a> The purpose of the omnibus (parent) K01 program is to provide support and "protected time" (3-5 years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. Awards are not renewable, nor are they transferable from one principal investigator to another.</p> <p><a href="#">NCI Mentored Research Scientist Development Award to Promote Diversity (K01)</a> The NCI invites K01 applications from individuals underrepresented in health-related science, who have been recipients of an NIH Research Supplement to Promote Diversity Award, any NRSA, or can demonstrate that they have been supported in a mentored capacity within any research grant equivalent to an NIH peer-reviewed research grant.</p> <p><a href="#">NIDDK Mentored Research Scientist Development Award (K01)</a> The NIDDK invites K01 applications from advanced postdoctoral and/or newly independent research scientists (usually with a Ph.D. degree) in biomedical or behavioral sciences who are pursuing careers in research areas supported by the NIDDK.</p> <p><a href="#">NINDS Career Development Award to Promote Diversity in Neuroscience Research (K01)</a> Supported by NINDS, the objective of this program is to promote diversity among faculty-level neuroscience investigators who are competitively funded to conduct independent research.</p> <p><a href="#">NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01)</a> The purpose of this NINR K01 is to encourage the development of qualified underrepresented or disadvantaged nurse scientists to become independent investigators in research settings.</p> <p><a href="#">Promoting Careers in Aging and Health Disparities Research (K01)</a> The purpose of this FOA is to provide support and protected time to eligible individuals who are committed to a career in health disparities research related to aging and who are members of or knowledgeable about health disparity population groups.</p> <p><a href="#">International Research Scientist Development Award (IRSDA) (K01)</a> This program supports U.S. postdoctoral biomedical, epidemiological, clinical, social and behavioral scientists in the formative stages of their careers to conduct research in developing countries.</p> <p><a href="#">Mentored Career Development Award to Promote Faculty Diversity/Re-Entry in Biomedical Research (K01)</a> This FOA issued by the NHLBI solicits applications to increase the number of highly trained investigators, from diverse backgrounds or who have experienced an interruption in their research careers.</p>
K02	<p><a href="#">Independent Scientist Award (Parent K02)</a> <b>NEW</b> (Use for June 12, 2011 and subsequent due dates. See <a href="#">NOT-OD-11-063</a> for details.)</p> <p><a href="#">Independent Scientist Award (Parent K02)</a> This omnibus (parent) NIH K02 program provides support for newly independent scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. The K02 is intended to foster the development of outstanding scientists and to enable them to expand their potential to make significant contributions to their field of research.</p>

Internet 100%



# Nih funding opportunities

Types of Grant Programs - Funding and Guideline Information on Selected Grant Mechanisms and Pr - Windows Internet Explorer

http://grants.nih.gov/grants/funding/funding\_program.htm

File Edit View Favorites Tools Help

Types of Grant Programs - Funding and Guideline Info...

U.S. Department of Health & Human Services

www.hhs.gov

Office of Extramural Research  
National Institutes of Health

Search:  Go

Advanced Search | Site Map

Home About Grants Funding Forms & Deadlines Grants Policy News & Events About OER NIH Home

## Types of Grant Programs

NIH uses activity codes (e.g. R01, R43, etc.) to differentiate the wide variety of research-related programs we support. [NIH Institutes and Centers \(ICs\)](#) may vary in the way they use activity codes; not all ICs accept applications for all types of grant programs or they apply specialized eligibility criteria. Look closely at [Funding Opportunity Announcements \(FOAs\)](#) to determine which ICs participate and the specifics of eligibility.

A [comprehensive list of extramural grant and cooperative agreement activity codes](#) is available, or you can search for specific codes below:

- Search Activity Codes:  Go (e.g. R01, P01, T, K, F, etc.) Reset
- Search All Text:  Go (e.g. Mentored, Training, etc.)
- Select from List:  Go

The following groupings represent the main types of grant funding we provide:

<ul style="list-style-type: none"><li><a href="#">Research Grants</a> (R series)</li><li><a href="#">Career Development Awards</a> (K series)</li><li><a href="#">Research Training and Fellowships</a> (T &amp; F series)</li><li><a href="#">Program Project/Center Grants</a> (P series)</li></ul>	<ul style="list-style-type: none"><li><a href="#">Resource Grants</a> (various series)</li><li><a href="#">Trans-NIH Programs</a></li><li><a href="#">Inactive Programs (Archive)</a></li></ul>
---	---

## Research Grants

The following represent frequently used research grant programs. A [comprehensive list of all activity codes](#) is also available.

Important note: NIH Institutes and Centers (ICs) may vary in the way they use activity codes; not all ICs accept applications for all types of grant programs or they apply specialized eligibility criteria. Look closely at funding opportunity announcements (FOAs) to determine which ICs participate and the specifics of eligibility.

### Grants Process

- [Grants Process Overview](#)
- [Types of Grant Programs](#)
- [How to Apply](#)
- [Peer Review Process](#)
- [Award Management](#)
- [Foreign Grants Information](#)
- [NIH Financial Operations](#)

### Electronic Grants

- [Electronic Research Administration \(eRA\)](#)
- [eRA Commons](#)
- [Applying Electronically](#)

### Global OER Resources

- [Glossary & Acronyms](#)
- [Frequently Used Links](#)
- [Frequently Asked Questions](#)

### Related Resources

- [Funding Opportunities \(RFAs, PAs\) & Notices](#)
- Guides, Tips, and Tutorials:**
  - [Information for New Grantees](#)
  - [NCI Grants Process Book](#) (PDF - 3 MB)
  - [NIAID Grants Tutorial](#)
  - [Planning Your Application \(Helpful Tips\)](#)
  - [Writing Your Application \(Helpful Tips\)](#)

# Nih research grants

- **R01** Research Project Grant Program [http://grants.nih.gov/grants/funding/funding\\_program.htm#RSeries](http://grants.nih.gov/grants/funding/funding_program.htm#RSeries)
  - 3-5 years duration-renewable
  - No specific \$ amount unless specified in FOA
  - \$500K+ per annum needs advanced permission
  - Most commonly used/used by all ICs
  - Parent FOA: PA-10-067 <http://grants.nih.gov/grants/guide/pa-files/PA-10-067.html>

# Nih research grants

- **R03** Small Grant Program
  - Provides limited funding for a short period of time to support a variety of types of projects, including: pilot or feasibility studies, collection of preliminary data, secondary analysis of existing data, small, self-contained research projects, development of new research technology, etc.
  - 2 year max-not renewable
  - \$50K per year
  - Parent FOA: PA-10-064

<http://grants.nih.gov/grants/guide/pa-files/PA-10-064.html>



# NIH research grants

- **R13** Conferences and scientific meetings
  - Support for high quality conferences/scientific meetings that are relevant to NIH's scientific mission and to the public health
  - Up to 5 years
  - \$\$\$ varies-set by IC
  - Parent FOA: PA-10-071

<http://grants.nih.gov/grants/guide/pa-files/PA-10-071.html>

# Nih research grants

- **R15**-Academic research enhancement award
  - Support small research projects in the biomedical and behavioral sciences conducted by students and faculty in health professional schools and other academic components that have not been major recipients of NIH research grant funds
  - 3 year max
  - \$300K max
  - Parent FOA: PA 10-070

<http://grants.nih.gov/grants/guide/pa-files/PA-10-070.html>

# Nih research grants

- **R21** Exploratory/Developmental Research Grant Award
  - Encourages new, exploratory and developmental research projects by providing support for the early stages of project development. Sometimes used for pilot and feasibility studies
  - 2 years max
  - \$275,000 max total
  - No preliminary data required

# Nsf Funding opportunities

- *Early Career awards*

- ❖ Faculty Early Career Development Program-CAREER

- [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503214](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503214)

Help at OHIO STATE:

<http://projectgro.osu.edu>

http://projectgro.osu.edu/

File Edit View Favorites Tools Help

Convert Select

Favorites desktop Get More Add-ons Open Notebook Suggested Sites

Project GRO | The Ohio State University

Page Safety Tools

The Ohio State University Project GRO

Help Buckeye Link Map Find People Webmail Go

# Project GRO

Home NSF CAREER

## Project GRO Partnerships

### NSF CAREER Awards

- [Support for Preparation of NSF Faculty Early Career Development \(CAREER\) Awards](#)

### Center for Emergent Materials (CEM)

- [CEM website](#)
- [OSU Research News report of NSF award for Materials Research Science and Engineering Center \(MRSEC\)](#)

### Ohio's STEM Ability Alliance (OSAA)

- [OSAA website](#)
- [Abstract of NSF Alliance for Students with Disabilities in STEM award to Ohio State](#)

### Connecting OSU Extension and OSU STEM Research

- [Abstract of OSU CARES Personnel Support Grant](#)

### It's About Discovery

- [IAD website](#)

## What is Project GRO?

The Project to Support Grants for Research Outreach (Project GRO) is an initiative within the university's Office of Research and Offices of Outreach and Engagement to create a sustained and coordinated resource for faculty who include an outreach/engagement component in their grant proposals for research funding.

More and more funding sources are requiring research proposals to justify the benefits of the research to society. For example, proposals to the National Science Foundation are evaluated on the broader impacts of projects, including the promotion of teaching, training, and learning. Project GRO works with Ohio State researchers to broaden the impact of their outreach and engagement efforts, drawing on the resources and expertise of the Offices of Outreach and Engagement, the Office of Research, and outreach and engagement personnel in colleges across the university.

## How Project GRO Can Help You

- Works with researchers to develop outreach and engagement plans for research proposals
- Facilitates collaborations between researchers and those who provide outreach within Ohio State and the community
- Assists with the evaluation and accountability aspects of outreach components

For further information, contact:

Christopher Andersen, Ph.D.  
Director, Project GRO  
Office of Research and Office of University Outreach and Engagement  
400 Stillman Hall  
1847 N. College Road

## Resources

- ["Tell Us the 'Broader Impacts' of Your Science, NSF Says," \*Chronicle of Higher Education\*, April 16, 2008.](#)
- [NSF "Dear Colleague Letter on Broader Impacts Proposal Requirements," April 7, 2008.](#)
- [NSF "What are the broader impacts of the proposed activity," \*Grant Proposal Guide\*, January 2008.](#)
- [NSF "Merit Review Broader Impacts Criterion: Representative Activities," July 11, 2007.](#)
- [NSF "Broader Impacts Review Criterion," 2007.](#)
- ["How to Write a Proposal for an Outreach Grant," \*Chronicle of Higher Education\*, September 15, 2006.](#)
- NSF "Broader Impacts" Criterion in specific areas
  - [Chemistry](#)
  - [Geoscience](#)
  - [Major Research Instrumentation](#)
  - [Mathematics](#)

# Nsf Early career award

## Just the Facts

### Deadlines for CAREER proposals

July 25, 2011 for BIO< CISE<HER<OCI

July 26, 2011 for ENG

July 27, 2011 GEO< MPS<SBE<OPP

- ❖ 425 awards each year, \$80,000,000 per yr
- ❖ ONE submission per year, max 3 reviewed
- ❖ 5 year award duration- minimum \$400,000 (except for BIO- \$500,000)



# **Nsf Early career award**

## **PI Requirements**

- ❖ PhD
- ❖ Untenured but in a tenure track position as an Assistant Professor as of Oct 1
- ❖ Have not previously received a NIH PECASE or NSF CAREER Award

# Early career award

❖ [www.NSF.gov/career](http://www.NSF.gov/career)

❖ Program Solicitation # 08-557

[http://www.nsf.gov/publications/pub\\_summ.jsp?  
WT.z\\_pims\\_id=503214&ods\\_key=nsf08557](http://www.nsf.gov/publications/pub_summ.jsp?WT.z_pims_id=503214&ods_key=nsf08557)

❖ Division CAREER Contacts

<http://www.nsf.gov/crssprgm/career/contacts.jsp>

# Nsf funding opportunities

US NSF - Funding - Windows Internet Explorer

http://www.nsf.gov/funding/

File Edit View Favorites Tools Help


Convert Select

Find...

US NSF - Funding

Home **Funding** Awards Discoveries News Publications Statistics About FastLane

## Funding



### Find Funding

- [A-Z Index of Funding Opportunities](#)
- [Recent Funding Opportunities](#)
- [Upcoming Due Dates](#)
- [Advanced Funding Search](#)
- [Interdisciplinary Research](#)
- [How to Prepare Your Proposal](#)
- [About Funding](#)

### Proposals and Awards

- [Proposal and Award Policies and Procedures Guide](#)
  - [Introduction](#)
  - [Proposal Preparation and Submission](#)
  - [Grant Proposal Guide](#)
  - [Grants.gov Application Guide](#)
- [Award and Administration](#)
  - [Award and Administration Guide](#)
- [Award Conditions](#)
- [Other Types of Proposals](#)
- [Merit Review](#)
- [NSF Outreach](#)
- [Policy Office](#)

## Find Funding

Get NSF funding information by [email](#) or [RSS](#).

### FUNDING OPPORTUNITY SEARCH

Keyword: \*

Search: ☒ Funding Opportunities (program synopses and solicitations)  
☐ Award Database (titles and abstracts of previous years' awards)

[Search](#) [Reset](#)

[Advanced Funding Search](#)

### OTHER WAYS TO FIND FUNDING

[A-Z Index](#)  
Index of words appearing in the titles of all funding opportunities.

### Special Programs

- [For Undergraduate Students](#)
- [For Graduate Students](#)
- [For Postdoctoral Fellows](#)
- [For K-12 Educators](#)
- [Small Business Programs](#)

### Program Areas

- [Crosscutting and NSF-wide](#)
- [Biological Sciences](#)
- [Computer & Information Science & Engineering](#)
- [Cyberinfrastructure](#)
- [Education and Human Resources](#)
- [Engineering](#)
- [Environmental Research & Education](#)
- [Geosciences](#)
- [Integrative Activities](#)
- [International Science & Engineering](#)
- [Mathematical & Physical Sciences](#)
- [Polar Programs](#)
- [Social, Behavioral & Economic Sciences](#)

Internet 125%

# Nsf funding opportunities



**National Science Foundation**  
Directorate for Engineering (ENG)

NSF Web Site

ENG HomeENG FundingENG AwardsENG DiscoveriesENG NewsAbout ENG

**Industrial Innovation and Partnerships (IIP)**



[IIP Home](#)  
[About IIP](#)  
[Funding Opportunities](#)  
[Awards](#)  
[News](#)  
[Events](#)  
[Discoveries](#)  
[Publications](#)  
[Career Opportunities](#)  
[I/UCRC Program Homepage](#)  
[SBIR Program Homepage](#)  
[IIP Program and Star Brochures](#)  
[See Additional IIP Resources](#)  
[View IIP Staff](#)

Email Print Share

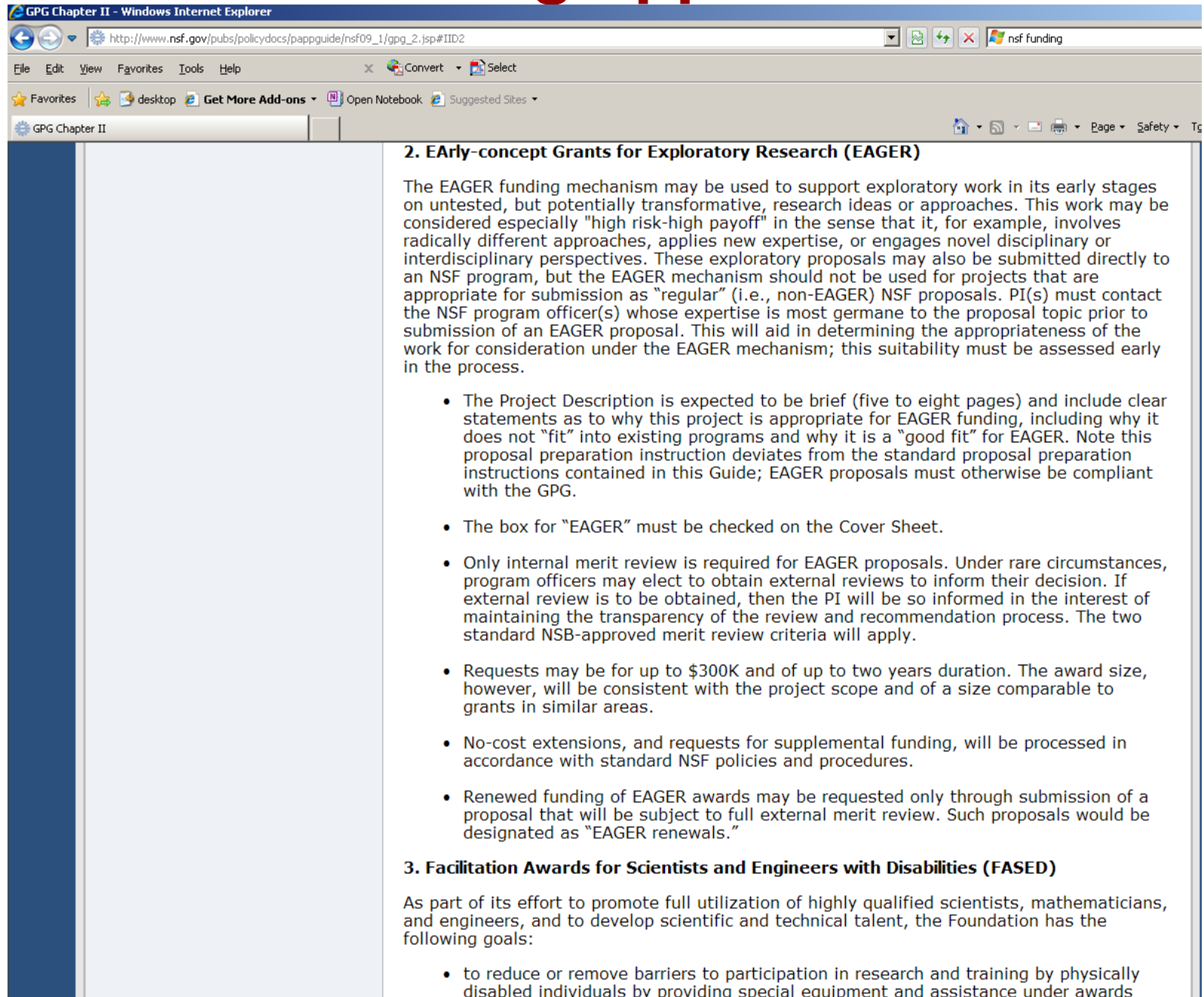
## Funding - Other Types of Proposals

Information about the types of proposals listed below is available in the [Grant Proposal Guide](#).

- [Grants for Rapid Response Research \(RAPID\)](#)
- [Early-concept Grants for Exploratory Research \(EAGER\)](#)
- [Facilitation Awards for Scientists and Engineers with Disabilities \(FASSED\)](#)
- [Proposals for Equipment](#)
- [Proposals for Conferences, Symposia and Workshops](#)



# Nsf funding opportunities



**2. Early-concept Grants for Exploratory Research (EAGER)**

The EAGER funding mechanism may be used to support exploratory work in its early stages on untested, but potentially transformative, research ideas or approaches. This work may be considered especially "high risk-high payoff" in the sense that it, for example, involves radically different approaches, applies new expertise, or engages novel disciplinary or interdisciplinary perspectives. These exploratory proposals may also be submitted directly to an NSF program, but the EAGER mechanism should not be used for projects that are appropriate for submission as "regular" (i.e., non-EAGER) NSF proposals. PI(s) must contact the NSF program officer(s) whose expertise is most germane to the proposal topic prior to submission of an EAGER proposal. This will aid in determining the appropriateness of the work for consideration under the EAGER mechanism; this suitability must be assessed early in the process.

- The Project Description is expected to be brief (five to eight pages) and include clear statements as to why this project is appropriate for EAGER funding, including why it does not "fit" into existing programs and why it is a "good fit" for EAGER. Note this proposal preparation instruction deviates from the standard proposal preparation instructions contained in this Guide; EAGER proposals must otherwise be compliant with the GPG.
- The box for "EAGER" must be checked on the Cover Sheet.
- Only internal merit review is required for EAGER proposals. Under rare circumstances, program officers may elect to obtain external reviews to inform their decision. If external review is to be obtained, then the PI will be so informed in the interest of maintaining the transparency of the review and recommendation process. The two standard NSF-approved merit review criteria will apply.
- Requests may be for up to \$300K and of up to two years duration. The award size, however, will be consistent with the project scope and of a size comparable to grants in similar areas.
- No-cost extensions, and requests for supplemental funding, will be processed in accordance with standard NSF policies and procedures.
- Renewed funding of EAGER awards may be requested only through submission of a proposal that will be subject to full external merit review. Such proposals would be designated as "EAGER renewals."

**3. Facilitation Awards for Scientists and Engineers with Disabilities (FASSED)**

As part of its effort to promote full utilization of highly qualified scientists, mathematicians, and engineers, and to develop scientific and technical talent, the Foundation has the following goals:

- to reduce or remove barriers to participation in research and training by physically disabled individuals by providing special equipment and assistance under awards

# NIH Key Points to Remember:

- Make sure your ***goals are in line with the NIH goals!*** Or any funding agencies goals- look at annual reports for what has been funded in the past-contact the program officer and **ASK!!!**
- **NIH's mission is to seek fundamental knowledge about the nature and behavior of living systems and the application of that knowledge to enhance health, lengthen life, and reduce the burdens of illness and disability:** <http://www.nih.gov/about/mission.htm>



# NIH Key Points to Remember:

- Less is more!!!! (early investigators tend to write too much unnecessary information in **Significance** section)
- Be precise and include only essential critical data to the project- spend a great deal of time on methodology-also show expertise in a pub or with a key person!
- Shows reviewers you know what you are doing-address potential problems and solutions
- Readable figures and legends -check out NIH version online-print it /read it!
- Let others read your grant **before** it is ready-ask advice from peers/mentors
- **Impact** is very important!-Will your research provide advancement and breakthroughs to the field-will it move the field forward? (Overall IMPACT Score)  
<http://nexus.od.nih.gov/all/2010/02/01/overall-impact-is-distinct-from-the-review-criterion-significance/>
- Get to know your **SRO/PO/SO** from the NIH: ***find the right study section for your proposal!***

# NIH application steps

## Pieces and Parts

1. Introduction (Resubmission or Revision Applications only)
- 2. Specific Aims**
- 3. Research Strategy (Significance, Innovation and Approach)**
4. Inclusion Enrollment Report (Renewal or Revision Applications only)
5. Bibliography and References Cited/Progress Report Publication List
6. Protection of Human Subjects
7. Inclusion of Women and Minorities
8. Targeted/Planned Enrollment Table
9. Inclusion of Children
10. Multiple PD/PI Leadership Plan
11. Consortium/Contractual Arrangements
12. Letters of Support (e.g., Consultants and OSU Chair)
13. Resource Sharing Plan(s)
14. Resources and Facilities (Environment)
15. Bio sketch (Investigator)

# Nih grant writing tips

[http://grants.nih.gov/grants/grant\\_tips.htm](http://grants.nih.gov/grants/grant_tips.htm)

Grant Writing Tips Sheets - Windows Internet Explorer

http://grants.nih.gov/grants/grant\_tips.htm

File Edit View Favorites Tools Help

Convert Select

Favorites desktop Get More Add-ons Open Notebook Suggested Sites

Zimbra: Inbox (4) Grant Writing Tips Sheets x

U.S. Department of Health & Human Services

www.hhs.gov

Office of Extramural Research  
National Institutes of Health

Contact Us | Print Version

Search:  Go

Advanced Search | Site Map

Home About Grants Funding Forms & Deadlines Grants Policy News & Events About OER NIH Home

## Grant Writing Tips Sheets

Grants Process Overview

Types of Grant Programs

How to Apply

Peer Review Process

Award Management

Foreign Grants Information

NIH Financial Operations

Electronic Grants

Electronic Research Administration (eRA)

eRA Commons

Applying Electronically

Global OER Resources

Glossary & Acronyms

Frequently Used Links

Frequently Asked Questions

Many [NIH Institutes](#) put out guides and tip sheets on their Web sites. These guides can be useful resources. Here are just a few.

- [All About Grants](#) - Including Grant Application Basics, How to Plan a Grant Application and How to Write a Grant Application.
- [Applying for an NHGRI Grant](#)
- [Choosing an Appropriate NIH Funding Instrument and Funding Mechanism](#) (MS Word - 209 KB)
- [Peer Review Guidelines and Information](#)
- [Peer Review Meetings](#) - Meeting dates, descriptions, rosters, guidelines, etc.
- [Preparing Grant Applications](#)
- [Quick Guide for the Preparation of Grant Applications](#) (Complementary and Alternative Medicine)
- [SBIR/STTR Policy and Grantsmanship Information](#)
- [Tips for New NIH Grant Applicants](#)
- [Writing a Grant](#)

Electronic Media:

- o [All About Grants](#) (Podcasts)
- o [NIH Grant Review Process Videos](#) (YouTube) [EXIT Disclaimer](#)

**Note:** For help accessing PDF, RTF, MS Word, Excel, PowerPoint, Audio or Video files, see [Help Downloading Files](#).

Home | [Contact Us](#) | [Site Map](#) | [Search](#) | [Help Downloading Files](#)  
[Disclaimer](#) | [Privacy Notice](#) | [Accessibility](#) | [FOIA](#) | [Print Version](#)

[Top of Page](#)

Page Last Updated: November 10, 2010  
Content Manager: [GrantsInfo@nih.gov](mailto:GrantsInfo@nih.gov)  
Technical Issues: [E-mail OER Webmaster](#)

Done

Internet 125%

# NIH scoring Guidelines

## **Research Strategy -Background and Significance, Preliminary Studies/ Progress Report, Research Design and Methods**

- ***SIGNIFICANCE*** (background and significance-addresses an important problem?)
- ***INNOVATION*** (This is new to all applications-address how your research is new and different)
- ***APPROACH*** (research design and methods-appropriate for this project? Feasibility?, preliminary studies/ progress report-do not include publications list here)
- ***INVESTIGATOR*** (qualified, if not surrounds self with help?)
- ***ENVIRONMENT*** (does it support success?-must show your Dept/ OSU is willing to help out)

WILL GET **1** FINAL OVERALL **IMPACT SCORE**

Helpful to have summary statements to highlight these areas

# NIH BIO Sketch

- Follow the new instructions:
- A. ***Personal statement*** –state what makes you particularly awesome for this project (if need to can explain lack of productivity here: ex. Family emergency)
- C. ***Publications- 15 max.*** Only list the most relevant to this application. Some do 5 most relevant then 10 others that are also relevant.

## NIH website

- Guidelines for Reviewers-scored from  
1 good-9 bad

[http://grants.nih.gov/grants/peer/  
reviewer\\_guidelines.htm](http://grants.nih.gov/grants/peer/reviewer_guidelines.htm)

- Podcasts

[http://grants.nih.gov/podcasts/All\\_About\\_Grants/  
index.htm](http://grants.nih.gov/podcasts/All_About_Grants/index.htm)

- Researching all grant related things

[www.grants.gov](http://www.grants.gov)



# Helpful web addresses for NIH

- Enhancing peer review-cover letter to **guide to correct study section**-can contact Scientific Review Administrator- website for roster lists (can cite them in your proposal ☺ )

<http://era.nih.gov/roster/index.cfm>

- Peer review videos to watch to see the process in action

[http://enhancing-peerreview.nih.gov/application\\_changes\\_video.html](http://enhancing-peerreview.nih.gov/application_changes_video.html)

<http://www.youtube.com/watch?v=kfgzdLe92co>

- Scoring guideline link for reviewers

[http://grants.nih.gov/grants/peer\\_review\\_process.htm#scoring2](http://grants.nih.gov/grants/peer_review_process.htm#scoring2)

- Tips for Applicants

<http://www.youtube.com/watch?v=IAOGtropM6Q&feature=relmfu>

# NSF tips for success

## Administration Review

- **Compliance check - Reasons for return without review**

- Print problems, format, page limits, font size and margins, spacing, etc.- **PAY ATTENTION to these rules!**

### ***A DEADLINE IS A DEADLINE!!!!***

- Failure to follow program announcement guidelines-read these and read them **BEFORE!** submission
- Not within NSF funding areas
- Failure to address reviewers concerns in resubmission
- Duplicate submission-not fully reworked
- NSF already funding like proposal

# NSF Tips for success

*Proposal must address these points:*

- Objectives and scientific, engineering or educational significance
- Suitability of the methods to be employed
- Qualifications of the investigator and the grantee organization
- Effect of the activity on the infras:
- structure of science, engineering and education
- Amount of funding required

# Nsf tips to success

## *Proposal Guidelines*

- *Grant Proposal Guide* pg 111-1  
[http://www.nsf.gov/pubs/policydocs/pappguide/nsf11001/nsf11\\_1.pdf](http://www.nsf.gov/pubs/policydocs/pappguide/nsf11001/nsf11_1.pdf)

# **Nsf tips for success**

## **Project Summary -1 page**

**Failure to address both criteria will result in  
“returned without review”**

- Intellectual merit**
- Broader impact**

(make separate headings)



# NSf tips for success

## Merit Review Criteria

- Intellectual merit
  - Creativity and originality and *transformative potential*
  - Potential to advance knowledge
  - Conceptualization and organization
  - Qualifications of investigators
  - Access to resources
- Broader impacts
  - Promotes teaching, training and learning
  - Participation of underrepresented groups
  - Enhancement of infrastructure
  - Dissemination of results
  - Benefits to society



# NSF Tips for success

## *Merit Review*

Examples of what they are looking for:

- <http://www.nsf.gov/bfa/dias/policy/meritreview/>
- <http://www.nsf.gov/bfa/dias/policy/meritreview/facts.jsp#1>

# NSF helpful hints to success

## *Project Description*

- Max 15 pages
- Clear statement of work,
- Objectives,
- Longer term goals,
- Present knowledge in field, PIs work in progress and other work in progress

# NSF helpful hints to success

## *BIO Sketch*

- 2 page limit-all senior project personnel
- NO PERSONAL INFO!
- A) **Professional Preparation** (education)
- B) **Appointments**
- C) **Publications** 10 max-5 most closely related to project, 5 significant others
- D) **Synergistic Activities**- 5 examples to show broader impact- A list of up to five examples that demonstrate the broader impact of the individual's professional and scholarly activities that focuses on the integration and transfer of knowledge as well as its creation.-Show committees, review boards etc....
- E) **Collaborations & Other Affiliations** (used to eliminate conflicts and bias)
  - Collaborators and Co-Editors
  - Graduate Advisors and Postdoc sponsors
  - Thesis Advisor and postgraduate-scholar sponsor

# Nsf helpful links

\*\*\* NEW DATA MANAGEMENT PLAN \*\*\*

<http://www.nsf.gov/bfa/dias/policy/dmp.jsp>

No more than 2 pages, must address sharing of the data -  
how will you make accessible to the public?

\*\*\*\* Preparing Proposal \*\*\*\*

<http://nsf.gov/funding/preparing>

\*\*\*\* Merit Review \*\*\*\*

<http://nsf.gov/bfa/dias/policy/meritreview/>



# IPR can help!

- Finding funding sources
- Linking up with people who can help
- Budgets and Budget Justifications
- Proof reading for grammatical errors
- Lots of resources, guides, helpful hints from NIH, NSF and more
- Cayuse-for NIH/NSF submissions
- Jill Morris [morris.856@osu.edu](mailto:morris.856@osu.edu) 688-5423