



National Science Foundation
WHERE DISCOVERIES BEGIN

NSF Grants Conference

Crosscutting Programs

March 11-12, 2013

Hosted by Howard University, Arlington, Virginia





Panelists

Susannah Gal

Program Director, Directorate Biological Sciences, Division of Molecular and Cellular Biosciences

Jolene Jesse

Program Director, Directorate for Education & Human Resources, Division of Research on Learning in Formal & Informal Settings

Tracy Kimbrel

Deputy Division Director, Directorate for Computer & Information Sciences & Engineering, Division of Computing & Communication Foundations

Randy Phelps

Staff Associate, Office of the Director, Office of International & Integrative Activities

Donald Senich

Senior Advisor, Directorate for Engineering, Division of Industrial Innovation & Partnerships



Topics Covered

- **ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers**
- **Ethics Education in Science and Engineering (EERE)**
- **Graduate Research Fellowship Program (GRFP)**
- **Grant Opportunities for Academic Liaison with Industry (GOALI)**
- **Innovation Corps Sites Program (I-Corps Sites)**
- **Innovation Corps Team Program (I-Corps Teams)**
- **Integrated NSF Support Promoting Interdisciplinary Research and Education (INSPIRE)**
- **Integrative Graduate Education & Research Traineeship (IGERT)**
- **Major Research Instrumentation (MRI)**
- **Research Experiences for Undergraduates (REU)**
- **Research in Undergraduate Institutions (RUI)**
- **Research Coordination Networks (RCN)**



Find Funding for Crosscutting Programs

Go to http://www.nsf.gov/funding/pgm_list.jsp?type=xcut

Funding

Crosscutting and NSF-wide Active Funding Opportunities

This site provides program information for activities sponsored by more than one NSF organization. In addition, all NSF organizations accept proposals that cut across organizational and programmatic boundaries. We suggest that those seeking support for interdisciplinary work not described here consult the NSF program site(s) closest to the science, engineering or education focus of the planned work and contact relevant program officers to discuss submission of a proposal.

Org: Status:

Get Crosscutting Program Annncmts & Info Updates by Email |

Sorted by Title. Click column headings to sort.

Key: Crosscutting | NSF-wide | Grants.gov submission required

Title	Program Guidelines	Due Dates
Academic Research Infrastructure Program: Recovery and Reinvestment (ARI-R²)	09-562	Current but no longer receiving proposals
Active Nanostructures and Nanosystems (ANN) (SNM)	06-595	
ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers	12-584	Letter of Intent: October 5, 2012 Full Proposal: November 8,



ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers

The screenshot shows the NSF website's 'Funding' section for the ADVANCE program. It includes a search bar, navigation tabs (HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, FASTLANE), and a sidebar with links like 'Find Funding', 'A-Z Index of Funding Opportunities', and 'Proposals and Awards'. The main content area features the title 'ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE)' and a table of contacts.

Name	Email	Phone	Room
Beth Mitchneck	bmitchne@nsf.gov	(703) 292-5178	815N
Jody Chase	jchase@nsf.gov	(703) 292-5173	815N
Cynthia R. Douglas	cdouglas@nsf.gov	(703) 292-5175	815N

Below the table, there is a 'PROGRAM GUIDELINES' section with a link to solicitation 12-584 and an 'Important Notice to Proposers' section stating that a revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), NSF 13-1, was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013.

- **Contact:**
Beth Mitchneck: (703) 292-5178;
bmitchne@nsf.gov
Jody Chase: (703) 292-5173;
jchase@nsf.gov
Cynthia Douglas: (703) 292-5175;
cdouglas@nsf.gov
- **Deadlines:**
Letter of Intent: October 4, 2013
Full proposal: November 12, 2013
- **Current solicitation number:**
12-584



ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers

- **Program Goal:**
 - To develop systemic approaches to increase the representation and advancement of women in academic STEM careers.
 - To contribute to and inform the general knowledge base on gender equity in the academic STEM disciplines.
- **Projects Supported in 2011-2012**
 - Institutional Transformation (IT) Projects systemically and permanently change institutional practices to promote women in STEM academics.
 - IT-Catalyst Projects support the evaluation of current institutional activities to identify areas for transformation and cultural change.
 - Partnerships for Adaptation, Implementation, and Diffusion (PAID) Projects adapt, implement, and/or distribute exemplary programs, policies, and practices to new institutions or settings.
- **ADVANCE does not support activities to increase or retain the number of women entering into or persisting in STEM doctoral degree programs.**



ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers

ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE)

PROGRAM SOLICITATION
NSF 12-584

REPLACES DOCUMENT(S):
NSF 10-593



National Science Foundation

Directorate for Education & Human Resources
Division of Human Resource Development

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Directorate for Engineering

Directorate for Geosciences

Directorate for Mathematical & Physical Sciences

Directorate for Social, Behavioral & Economic Sciences

Office of Cyberinfrastructure

Office of International Science and Engineering

Office of Polar Programs

Letter of Intent Due Date(s) *(required)* (due by 5 p.m. proposer's local time):

Estimated Number of Awards: 22

Anticipated Funding Amount: \$9.9 million



Ethics Education in Science & Engineering (EESE)

The screenshot shows the NSF website interface. At the top left is the NSF logo and the text "National Science Foundation WHERE DISCOVERIES BEGIN". To the right is a "QUICK LINKS" button and a search bar. Below this is a navigation menu with items: HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, and FASTLANE. The main content area is titled "Ethics Education in Science and Engineering (EESE)" and includes a "CONTACTS" table, "PROGRAM GUIDELINES" section, and a "Solicitation 11-514" notice. A left sidebar contains links for "Funding" and "Proposals and Awards".

CONTACTS

Name	Dir/Div	Name	Dir/Div
Linda Layne	SBE/SES	Myles Boylan	EHR/DUE
Tom Carruthers	MPS/PHY	Ephraim Glinert	CISE/IIS
Jill Karsten	GEO/OAD	Susan C. Kemnitzer	ENG/ECCS
Carter Kimsey	OD/OISE	Marshall M. Lih	
Vanessa Richardson		Carol F. Stoel	EHR/DGE

PROGRAM GUIDELINES

Solicitation [11-514](#)

Important Notice to Proposers

A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), [NSF 13-1](#), was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013. Please be advised that, depending on the specified due date, the guidelines contained in [NSF 13-1](#) may apply to proposals submitted in response to this funding opportunity.

Please be aware that significant changes have been made to the PAPPG to implement revised merit review criteria based on the National Science Board (NSB) report, [National Science Foundation's Merit Review Criteria: Review and Revisions](#). While the two merit review criteria remain unchanged (Intellectual Merit and Broader Impacts), guidance

- Contact disciplines for deadlines and contact information.
- Deadline: March 1, 2013
- Current solicitation number: 11-514



Ethics Education in Science & Engineering (EERE)

- **Program Goal:**

- To fund research and educational projects that improve ethics education in all fields of science and engineering that NSF supports, with priority consideration given to interdisciplinary, inter-institutional, and international contexts.

- **Eligibility Information:**

- Only colleges and universities located and accredited in the U.S. or U.S.-based professional associations are eligible to apply to this program.
- NSF expects project teams to include persons with appropriate expertise.
- An eligible organization may submit only one proposal as the lead organization.



Ethics Education in Science & Engineering (EASE)

Ethics Education in Science and Engineering (EASE)

PROGRAM SOLICITATION
NSF 11-514

REPLACES DOCUMENT(S):
NSF 08-530



National Science Foundation

Directorate for Social, Behavioral & Economic Sciences

Division of Social and Economic Sciences

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Directorate for Education & Human Resources

Directorate for Engineering

Directorate for Geosciences

Directorate for Mathematical & Physical Sciences

Office of International Science and Engineering

Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):

March 14, 2011

Estimated Number of Awards: 6 to 10

Anticipated Funding Amount: \$3 million



Graduate Research Fellowship Program (GRFP)

NSF-wide
NSF Graduate Research Fellowship Program (GRFP)

Grad. Res. Opportunities Worldwide (GROW)

The Division of Graduate Education and the Office of International Science and Engineering announces the Graduate Research Opportunities Worldwide (GROW), a partnership between NSF and international funding agencies that offers NSF Graduate Research Fellowships the opportunity to engage in research collaborations with counterparts in partner countries. See details [here](#)

CONTACTS

Name	Email	Phone	Room
Gisele T. Muller-Parker	grfp@nsf.gov	(703) 292-8694	
Doris L. Carver	grfp@nsf.gov	(703) 292-8694	
Pushpalatha Murthy	grfp@nsf.gov	(703) 292-8694	

The Graduate Research Fellowship Operations Center is responsible for processing applications and responding to requests for information. General inquiries regarding the Graduate Research Fellowship Program should be made to:

Graduate Research Fellowship Operations Center, telephone: 866-NSF-GRFP, 866-673-4737 (toll-free from the US and Canada) or 202-331-3542 (international). email: info@nsfgrfp.org

PROGRAM GUIDELINES

Solicitation [12-599](#)

Important Notice to Proposers

A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), NSF 13-1, was issued on October 4, 2012 and is effective for

- **Contact:**
Gisele Muller-Parker, Doris Carver,
Pushpalatha Murthy
(703) 292-8694
grfp@nsf.gov
- **Deadline:**
November 13-19, 2012
See solicitation for discipline-specific due dates
- **Current solicitation number:**
12-599



Graduate Research Fellowship Program (GRFP)

- **Program Goals:**

- Select, recognize, and financially support individuals early in their careers with the demonstrated potential to be high achieving scientists and engineers.
- Broaden participation in science and engineering of underrepresented groups, including women, minorities, persons with disabilities, and veterans.



Graduate Research Fellowship Program (GRFP)

- **Funding:**

- Each Fellowship consists of three years of support usable over a five-year period.
- For each year of support, NSF provides a stipend of \$30,000 to the Fellow and a cost-of-education allowance of \$12,000 to the degree-granting institution.



Graduate Research Fellowship Program (GRFP)

Graduate Research Fellowship Program (GRFP)

PROGRAM SOLICITATION
NSF 12-599

REPLACES DOCUMENT(S):
NSF 11-582



National Science Foundation

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Directorate for Education & Human Resources

Directorate for Engineering

Directorate for Geosciences

Directorate for Mathematical & Physical Sciences

Directorate for Social, Behavioral & Economic Sciences

Office of Cyberinfrastructure

Office of Integrative Activities

Office of Experimental Program to Stimulate Competitive Research

Office of International Science and Engineering

Office of Polar Programs

Application Deadline(s) (submitted by 8 p.m. Eastern Standard Time):

November 13, 2012

Engineering; Computer and Information Sciences and Engineering; Materials Research

November 14, 2012

**Estimated Number of
Awards: 2,000**

**Anticipated Funding
Amount: \$243 million**



Grant Opportunities for Academic Liaison with Industry (GOALI)

The screenshot shows the NSF website interface. At the top left is the NSF logo and the text 'National Science Foundation WHERE DISCOVERIES BEGIN'. To the right is a search bar and a 'QUICK LINKS' dropdown menu. Below the header is a navigation bar with links for HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, and FASTLANE. The main content area is titled 'Funding' and features a large image with mathematical symbols. Below the image are links for 'Find Funding', 'A-Z Index of Funding Opportunities', 'Recent Funding Opportunities', 'Upcoming Due Dates', 'Advanced Funding Search', 'Interdisciplinary Research', 'How to Prepare Your Proposal', and 'About Funding'. There is also a section for 'Proposals and Awards' with links for 'Proposal and Award Policies and Procedures Guide Introduction', 'Proposal Preparation and Submission', 'Grant Proposal Guide', 'Grants.gov Application Guide', 'Award and Administration', and 'Award and Administration Guide'. The main content area displays the title 'Grant Opportunities for Academic Liaison with Industry (GOALI)' with a 'CONTACTS' table and 'PROGRAM GUIDELINES' section.

NSF-wide
Grant Opportunities for Academic Liaison with Industry (GOALI)

CONTACTS

Name	Email	Phone	Room
Donald Senich	dsenich@nsf.gov	(703) 292-7082	5755
Dean M. Evasius	devasius@nsf.gov	(703) 292-8132	
William S. Bainbridge	wbainbri@nsf.gov	(703) 292-8930	11255
John C. Cherniavsky	jchernia@nsf.gov	(703) 292-5136	8555
Leonard E. Johnson	lejohnso@nsf.gov	(703) 292-8559	7855
Graham M. Harrison	gharriso@nsf.gov	(703) 292-7252	1155
Fahmida N. Chowdhury	fchowdhu@nsf.gov	(703) 292-4672	905N
Diane J. Okamura	dokamuro@nsf.gov	(703) 292-4400	690N

PROGRAM GUIDELINES
Solicitation [12-513](#)

Important Notice to Proposers
A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), [NSF 13-1](#), was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013. Please be advised that, depending on the specified due date, the guidelines contained in [NSF 13-1](#) may apply to proposals submitted in response to this funding opportunity.

Please be aware that significant changes have been made to the PAPPG to implement

- Contact disciplines for deadlines and contact information.
- Current solicitation number: 12-513



Grant Opportunities for Academic Liaison with Industry (GOALI)

- **Program Goals:**
 - To promote university-industry partnerships by making project funds or fellowships/traineeships available to support an eclectic mix of industry-university linkages.
 - To fund research that lies beyond that which industry would normally fund by themselves.
- **The solicitation targets high-risk/high-gain research with a focus on fundamental topics, new approaches to solving generic problems, development of innovative collaborative industry-university educational programs, and direct transfer of new knowledge between academe and industry.**



Grant Opportunities for Academic Liaison with Industry (GOALI)

- **Eligibility Information:**

- For fellowships/traineeships, only U.S. citizens, nationals, or permanent residents are eligible to apply for support under this program.
- NSF funds cannot go to an industry partner; they can only be used by the academic institution. The industry partner is expected to participate in the research effort to facilitate in the commercialization of the research.



Grant Opportunities for Academic Liaison with Industry (GOALI)

Grant Opportunities for Academic Liaison with Industry (GOALI)

PROGRAM SOLICITATION
NSF 12-513

REPLACES DOCUMENT(S):
NSF 10-580



National Science Foundation

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Directorate for Education & Human Resources

Directorate for Engineering

Directorate for Geosciences

Directorate for Mathematical & Physical Sciences

Directorate for Social, Behavioral & Economic Sciences

Office of International Science and Engineering

Supplement Due Date(s) (due by 5 p.m. proposer's local time):

Proposals Accepted Anytime

Estimated Number of Awards: 60 to 80

Anticipated Funding Amount: \$5 million



Innovation Corps Sites Program (I-Corps Sites)

Funding

[Crosscutting/NSF-wide](#)

Innovation Corps Sites Program (I-Corps Sites)

CONTACTS

Name	Dir/Div	Name	Dir/Div
Errol B. Arkllic	OD/OIA	Rathindra DasGupta	ENG/IIP
Anita J. La Salle	CISE/CNS	Don L. Millard	EHR/DUE

PROGRAM GUIDELINES

Solicitation [12-604](#)

Important Notice to Proposers

A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), [NSF 13-1](#), was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013. Please be advised that, depending on the specified due date, the guidelines contained in [NSF 13-1](#) may apply to proposals submitted in response to this funding opportunity.

Please be aware that significant changes have been made to the PAPPG to implement revised merit review criteria based on the National Science Board (NSB) report, [National Science Foundation's Merit Review Criteria: Review and Revisions](#). While the two merit review criteria remain unchanged (Intellectual Merit and Broader Impacts), guidance has been provided to clarify and improve the function of the criteria. Changes will affect the project summary and project description sections of proposals. Annual and final reports also will be affected.

A by-chapter summary of this and other significant changes is provided at the beginning of both the [Grant Proposal Guide](#) and the [Award & Administration Guide](#).

- **I-Corp Sites contact information is available at:**
www.nsf.gov/funding/pgm_summ.jsp?pims_id=504802&org=NSF&sel_org=XCUT&from=fund
- **Deadline:**
July 01, 2013
- **Current solicitation number:**
12-604



Innovation Corps Sites Program (I-Corps Sites)

- **Program Goal:**

- To spur translation of research, to encourage collaboration between academia and industry, and to train students to understand innovation and entrepreneurship. NSF funding through I-Corps Sites enables academic institutions to support teams whose projects are likely candidates for commercialization.

- **Purpose of Program:**

- To nurture and support multiple, local teams that are transitioning their ideas, devices, processes or other intellectual activities into the marketplace. While different institutions may choose different mechanisms for achieving the goals of an I-Corps Site, certain characteristics of a Site must be consistent - the make-up of the teams the Site supports, the origin and nature of the projects, and the kind of support that is provided to the teams by the site.



Innovation Corps Sites Program (I-Corps Sites)

Innovation Corps Sites Program (I-Corps Sites)

PROGRAM SOLICITATION **NSF 12-604**



- National Science Foundation
- Office of Integrative Activities
- Directorate for Biological Sciences
- Directorate for Computer & Information Science & Engineering
- Directorate for Education & Human Resources
- Directorate for Engineering
- Directorate for Geosciences
- Directorate for Mathematical & Physical Sciences
- Directorate for Social, Behavioral & Economic Sciences
- Office of Cyberinfrastructure

Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):

- January 07, 2013
- July 01, 2013
- First Monday in July, Annually Thereafter

SUMMARY OF PROGRAM REQUIREMENTS

General Information

Program Title:

Innovation Corps Sites Program (I-Corps Sites)

Estimated number of awards: 15 awards annually, pending availability of funds

Anticipated funding amount: 1.5 million



Innovation Corps Teams Program (I-Corps Teams)

The screenshot shows the NSF website's 'Innovation Corps Teams Program (I-Corps Teams)' page. The page includes a search bar, navigation tabs (HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, FASTLANE), and a 'QUICK LINKS' button. The main content area features a 'Funding' section with a 'Find Funding' sidebar, a 'CONTACTS' table, and 'PROGRAM GUIDELINES'.

Name	Email	Phone	Room
Errol B. Arkilic	earkilic@nsf.gov	703 292-8095	
Rathindra DasGupta	rdasgupt@nsf.gov	703 292-8353	
Anita J. La Salle	alasalle@nsf.gov	703 292-5006	

PROGRAM GUIDELINES
Solicitation [12-602](#)

Important Notice to Proposers
A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), [NSF 13-1](#), was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013. Please be advised that, depending on the specified due date, the guidelines contained in [NSF 13-1](#) may apply to proposals submitted in response to this funding opportunity.

Please be aware that significant changes have been made to the PAPPG to implement revised merit review criteria based on the National Science Board (NSB) report, [National Science Foundation's Merit Review Criteria: Review and Revisions](#). While the two merit review criteria remain unchanged (Intellectual Merit and Broader Impacts), guidance has been provided to clarify and improve the function of the criteria. Changes will affect the project summary and project description sections of proposals. Annual and final reports also will be affected.

A by-chapter summary of this and other significant changes is provided at the beginning of both the [Grant Proposal Guide](#) and the [Award & Administration Guide](#).

- I-Corp Teams contact information is available at: www.nsf.gov/funding/pgm_summ.jsp?pims_id=504672&org=NSF&sel_org=XCUT&from=fund
- **Submission Windows:**
January 1, 2013 - March 15, 2013
April 1, 2013 - June 17, 2013
July 1, 2013 - September 16, 2013
- **Current solicitation number: 12-602**



Innovation Corps Teams Program (I-Corps Teams)

- **Program Goals:**

- To spur translation of fundamental research to the market place, to encourage collaboration between academia and industry, and to train NSF-funded faculty, students and other researchers to understand innovation and entrepreneurship.

- **Program Purpose:**

- To identify NSF-funded researchers who will receive additional support - in the form of mentoring and funding - to accelerate the translation of knowledge derived from fundamental research into emerging products and services that can attract subsequent third-party funding.



Innovation Corps Teams Program (I-Corps Teams)

- **I-Corps projects outcomes:**
 - Clear go/no go decision regarding viability of products and services
 - Should the decision be to move the effort forward, a transition plan to do so
 - Technology demonstration for potential partners
- **A webinar will be held on the first Tuesday of every month to answer questions about this program.**

www.nsf.gov/news/special_reports/i-corps/program.jsp



Innovation Corps Teams Program (I-Corps Teams)

Innovation Corps Teams Program (I-Corps Teams)

PROGRAM SOLICITATION

NSF 12-602

REPLACES DOCUMENT(S):

NSF 11-560



National Science Foundation

Office of Integrative Activities

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Directorate for Education & Human Resources

Directorate for Engineering

Directorate for Geosciences

Directorate for Mathematical & Physical Sciences

Directorate for Social, Behavioral & Economic Sciences

Office of Cyberinfrastructure

Submission Window Date(s) (due by 5 p.m. proposer's local time):

October 01, 2012 - December 17, 2012

Estimated number of awards: 250

Anticipated funding amount: 12.5 million



Integrated NSF Support Promoting Interdisciplinary Research and Education (INSPIRE)

The screenshot shows the NSF website with the following content:

- Header: National Science Foundation, WHERE DISCOVERIES BEGIN, QUICK LINKS, SEARCH
- Navigation: HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, FASTLANE
- Left sidebar: 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
- Main content:
 - Section: Crosscutting/NSF-wide
 - Title: Integrated NSF Support Promoting Interdisciplinary Research and Education (INSPIRE)
 - CONTACTS table:

Name	Dir/Div	Name	Dir/Div
Randy L. Phelps	OD/OIA	Richard A. Behnke	GEO/AGS
Thomas F. Russell	MPS/OAD		
 - Text: *Contacts at the NSF directorate and office level:* The interdisciplinary research Points of Contact may be helpful, as elaborated in the next note.
 - Note to all prospective INSPIRE principal investigators about contacts at NSF: As explained in greater detail in the solicitation, before writing or submitting an INSPIRE proposal, PIs must make a formal inquiry by submitting a FastLane Letter of Intent (LOI), and must obtain a full-proposal invitation authorized by the INSPIRE Management Team on the basis of evaluation of the LOI by NSF staff. All invitations will reflect interest in considering a full proposal by at least two NSF program directors (PDs) from intellectually distinct NSF divisions or programs. The LOI must list at least two or three PDs, depending on the PI's choice of funding opportunity. It is in the PI's interest to list the most appropriate possible PDs. The PDs should **not** be senior managers (director, deputy director, office head, office director, assistant director, deputy assistant director, division director, deputy division director, section head). PIs are encouraged to study program web pages to identify appropriate PDs. Some keyword searching of the NSF web site may be helpful in finding appropriate NSF divisions and programs, for example by using the "Search Funding Opportunities" box in the left-hand column of the home page <http://www.nsf.gov/>, or the "Search Award For" box in the Award Search database <http://www.nsf.gov/awardsearch/>. The interdisciplinary research Points of Contact http://www.nsf.gov/od/oia/additional_resources/interdisciplinary_research/poc.jsp may also be helpful at the directorate and office level.

- **INSPIRE Teams contact information is available at:**
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504852&org=NSF&sel_org=XCUT&from=fund
- **Submission Windows:**
Letter of Intent Windows:
The Track 2 deadline has passed
December 10, 2012 - March 29, 2013 (Track 1)
- **Full Proposal Deadline Dates:**
May 13, 2013 (Track 2)
May 29, 2013 (Track 1)
May 29, 2013 (Director's)
- **Current solicitation number:**
13-518



Integrated NSF Support Promoting Interdisciplinary Research and Education (INSPIRE)

- **Program Goals:**

- Create new interdisciplinary opportunities that are not perceived to exist presently.
- Attract unusually creative high-risk / high-reward interdisciplinary proposals.
- Provide sufficient funding to pursue the novel idea beyond the exploratory stage.
- Recognize and encourage innovative interdisciplinary research by unusually creative individual investigators, especially at early- to mid-career stages.



Integrated NSF Support Promoting Interdisciplinary Research and Education (INSPIRE)

Integrated NSF Support Promoting Interdisciplinary Research and Education (INSPIRE)
to support bold interdisciplinary projects in all NSF-supported areas of science, engineering, and education research

PROGRAM SOLICITATION
NSF 13-518

 **National Science Foundation**
Office of Integrative Activities
Directorate for Biological Sciences
Directorate for Computer & Information Science & Engineering
Directorate for Education & Human Resources
Directorate for Engineering
Directorate for Geosciences
Directorate for Mathematical & Physical Sciences
Directorate for Social, Behavioral & Economic Sciences
Office of Cyberinfrastructure
Office of International Science and Engineering
Office of Polar Programs

Letter of Intent Due Date(s) (required) (due by 5 p.m. proposer's local time):
December 10, 2012 - February 20, 2013
INSPIRE Track 2 Inquiries
December 10, 2012 - March 29, 2013
INSPIRE Track 1 Inquiries

Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):
May 13, 2013
INSPIRE Track 2 Full Proposals
May 29, 2013

Estimated number of awards: 45 to 60

Anticipated funding amount: \$63 million



Integrative Graduate Education and Research Traineeship (IGERT)

NSF National Science Foundation
WHERE DISCOVERIES BEGIN

QUICK LINKS

SEARCH

HOME FUNDING AWARDS DISCOVERIES NEWS PUBLICATIONS STATISTICS ABOUT NSF 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

NSF-wide

Integrative Graduate Education and Research Traineeship Program (IGERT)

CONTACTS

Name	Email	Phone	Room
Richard Boone	igert@nsf.gov	(703) 292-8696	875
Carol F. Stoel	igert@nsf.gov	(703) 292-8696	875
Richard Tankersley	igert@nsf.gov	(703) 292-8696	875

IGERT Coordinating Committee members are listed on the IGERT web page, at <http://www.nsf.gov/crssprgm/igert/cc.jsp>.

PROGRAM GUIDELINES

Solicitation [11-533](#)

Important Notice to Proposers

A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), [NSF 13-1](#), was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013. Please be advised that, depending on the specified due date, the guidelines contained in [NSF 13-1](#) may apply to proposals submitted in response to this funding opportunity.

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- **Coordinating Committee members are listed at:**
<http://www.nsf.gov/crssprgm/igert/cc.jsp>
- **Deadlines:**
Letter of Intent: May 1, 2012
Full proposal: July 2, 2012
- **Current solicitation number: 11-533**
- **New solicitation being developed**



Integrative Graduate Education and Research Traineeship (IGERT)

- **Program Goals:**

- To meet the challenges of educating U.S. Ph.D. scientists and engineers who will pursue careers in research and education with interdisciplinary backgrounds; deep knowledge in chosen disciplines; and the technical, professional, and personal skills.
- To catalyze a cultural change in graduate education for students, faculty, and institutions by establishing innovative models for graduate education and training in a fertile environment for collaborative research that transcends traditional disciplinary boundaries.
- To contribute to a world-class, broadly inclusive, and globally engaged science and engineering workforce.



Integrative Graduate Education and Research Traineeship (IGERT)

- **Eligibility Information:**

- Academic institutions in the U.S., its territories, or possessions that grant the Ph.D. degree in the sciences and engineering may submit proposals. The lead institution must grant the Ph.D. degree in at least one of the STEM fields supported by NSF and at least one Ph.D. granting unit should participate in the IGERT. Non-Ph.D. granting institutions, nonacademic, and international organizations may serve as collaborating organizations.
- The PI must be on the faculty of the submitting institution.
- There is a limit of one proposal that may be submitted by an institution either as a single institution or as a lead institution in a multi-institution proposal.
- Any given individual may participate as PI or co-PI in only one proposal submission. A PI or co-PI on one proposal may serve as a faculty participant on other proposals.



Integrative Graduate Education and Research Traineeship (IGERT)

Integrative Graduate Education and Research Traineeship Program (IGERT)

PROGRAM SOLICITATION

NSF 11-533

REPLACES DOCUMENT(S):

NSF 10-523



National Science Foundation

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Office of Cyberinfrastructure

Directorate for Education & Human Resources

Directorate for Engineering

Directorate for Geosciences

Office of Integrative Activities

Office of International Science and Engineering

Directorate for Mathematical & Physical Sciences

Office of Polar Programs

Directorate for Social, Behavioral & Economic Sciences

Letter of Intent Due Date(s) *(required)* (due by 5 p.m. proposer's local time):

May 02, 2011

May 01, 2012

**Estimated Number
of Awards: 18**

**Anticipated
Funding Amount:
\$13.5 million**



Major Research Instrumentation (MRI)

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

NSF-wide
Major Research Instrumentation Program (MRI)

MRI ANNOUNCEMENTS

FREQUENTLY ASKED QUESTIONS POSTED
FAQs have been added for MRI Solicitation 11-503. To view the FAQs page click [here](#).

CONTACTS

Name	Email	Phone	Room
Dr. Randy L. Phelps	mri@nsf.gov	(703) 292-8040	

Additional contact information for NSF's Major Research Instrumentation Program is as follows:

Office of Integrative Activities
Major Research Instrumentation Program
National Science Foundation, Room 935
4201 Wilson Boulevard
Arlington, VA 22230
(703) 292-8040

E-Mail: mri@nsf.gov
Website: <http://www.nsf.gov/od/oia/programs/mri>

PROGRAM GUIDELINES
Solicitation [13-517](#)

Important Notice to Proposers
A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), [NSF 13-1](#), was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013. Please be advised that, depending on the specified due date, the guidelines contained in [NSF 13-1](#) may apply to proposals submitted in response to this funding opportunity.

- **Contact Information:**
(703) 292-8040
mri@nsf.gov
- **Deadline:**
January 23, 2014
- **Current solicitation number: 13-517**



Major Research Instrumentation (MRI)

- **Program Goals:**

- Support acquisition of major state-of-the-art instrumentation
- Foster development of the next generation of major instrumentation
- Integrate research with education
- Use, advance, and/or expand the Nation's cyber-infrastructure and/or high performance computing capability through instrumentation acquisition or development
- Promote academic and private sector instrument development partnerships



Major Research Instrumentation (MRI)

The Basics:

- **Submission limit** - Three (3) per organization: *If three proposals are submitted, at least one of the proposals must be for instrument development.*
- **Request size from NSF** - \$100,000-\$4 million from all eligible organizations; < \$100,000 exception for certain disciplines and from non-Ph.D.-granting institutions.
- **Merit Review** - At the time of submission, PI's are asked to identify an NSF division(s) to review proposal. NSF reserves the right to place proposals in the appropriate division(s) for review.



Major Research Instrumentation (MRI)

The Basics – Eligibility Information:

- **“US”-based Organizations:**
 - Colleges, universities, and institutions of higher education
 - Independent research museums and science centers
 - Independent nonprofit research organizations
 - Consortia of eligible organizations
 - Small businesses
 - Private sector partners with submitting organizations
 - May not submit as lead

The Basics – Cost Sharing:

- **2007 America COMPETES Act – Cost sharing required**
- **Ph.D.-granting and non-degree granting institutions: 30% cost-sharing required on all proposals**
- **Non-Ph.D.-granting institutions: no cost-sharing required**



Major Research Instrumentation (MRI)

Major Research Instrumentation Program (MRI): Instrument Acquisition or Development

PROGRAM SOLICITATION
NSF 13-517

REPLACES DOCUMENT(S):
NSF 11-503



National Science Foundation

Office of Integrative Activities

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Directorate for Education & Human Resources

Directorate for Engineering

Directorate for Geosciences

Directorate for Mathematical & Physical Sciences

Directorate for Social, Behavioral & Economic Sciences

Office of Polar Programs

Office of Cyberinfrastructure

Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):

February 21, 2013

January 23, 2014

Fourth Thursday in January, Annually Thereafter

**Estimated Number of
Awards: 175**

**Anticipated Funding
Amount: \$90 million**



Research Experiences for Undergraduates (REU)

Funding

Research Experiences for Undergraduates (REU)

NOTE ON THE PROPOSAL DEADLINE FOR REU SITES

Two due dates are listed for REU Site proposals each year. The May deadline applies only to REU Site proposals that require access to Antarctica, which must be submitted to one of the Antarctic Sciences Division (ANT) research programs in the Office of Polar Programs (OPP). **The fall deadline (which is September 12 in 2012, and the fourth Wednesday in August in 2013 and beyond) applies to all other REU Site proposals.**

NOTE ON INDIRECT COSTS IN REU SITE PROPOSALS

In proposals submitted in response to solicitation NSF 12-569, indirect costs should be charged in accordance with the proposing organization's negotiated indirect cost rate agreement and the approved base as stated in that agreement. Questions about whether particular items (e.g., student stipends, housing costs, meal costs, travel costs) should be excluded from the application of indirect costs should be directed first to the office responsible for developing the organization's indirect cost rate proposal, and then-if that office cannot resolve the question--to the cognizant Federal agency responsible for negotiating the indirect cost rate agreement.

For all organizations, the underlying principle remains that the negotiated indirect cost rate agreement and the application base specified in that agreement determine whether indirect costs can be claimed on a particular expense line item. There is no overall NSF-imposed limitation that all Participant Support Costs are excluded from receiving indirect costs. Budget line items F (Participant Support Costs: F1 Stipend, F2 Travel, F3 Subsistence, and F4 Other) may or may not bear indirect costs in accordance with the negotiated rate agreement and the application base specified therein.

CONTACTS

NSF REU Site Contacts: http://www.nsf.gov/crssprgm/reu/reu_contacts.jsp

PROGRAM GUIDELINES

Solicitation [12-569](#)

Important Notice to Proposers

A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), [NSF 13-1](#), was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013. Please be advised that, depending on the specified due date, the guidelines contained in NSF

- **Contact Information:**
http://www.nsf.gov/crssprgm/reu/reu_contacts.jsp
- **Deadlines:**
Full Proposal for REU Sites (Antarctica): May 24, 2013
Full Proposal for REU Sites (non-Antarctica): August 28, 2013
- **Current solicitation number: 12-569**



Research Experiences for Undergraduates (REU)

REU Sites:

- **Program Goals:**
 - To initiate and conduct projects that engage a number of undergraduate students in research.
 - To involve students in research who might not otherwise have the opportunity, particularly those from academic institutions where research programs are limited.
- **Recruitment:**
 - Significant percentage of students from outside host institution.



Research Experiences for Undergraduates (REU)

REU Supplements:

- **Program Goal:**

- To provide support for one or two undergraduate students to participate in research, as part of a new or ongoing NSF-funded research project.

REU Special Opportunities:

- Partnership with the Department of Defense
- Cyberinfrastructure
- International Projects
- Ethics in Science and Engineering
- Research Experiments for Teachers
- REU Supplements for Evaluative Research Experiences



Research Experience for Undergraduates (REU)

Research Experiences for Undergraduates (REU)

Sites and Supplements

PROGRAM SOLICITATION
NSF 12-569

REPLACES DOCUMENT(S):
NSF 09-598



National Science Foundation

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Directorate for Education & Human Resources

Directorate for Engineering

Directorate for Geosciences

Directorate for Mathematical & Physical Sciences

Directorate for Social, Behavioral & Economic Sciences

Office of Cyberinfrastructure

Office of International Science and Engineering

Office of Polar Programs

Estimated Number of Awards:

1,750 to 1,800 (estimate includes approximately 180 new site awards and 1,600 new supplement awards)

Anticipated Funding Amount:

\$68.4 million in FY 2013 (estimate includes both sites and supplements)

REU activity may be funded in several different ways:

- A standard or continuing grant (for REU Sites)
- A supplement to an existing award
- A component of a new or renewal grant or cooperative agreement



Research in Undergraduate Institutions (RUI)

The screenshot shows the NSF website interface for the RUI funding opportunity. The top navigation bar includes 'HOME', 'FUNDING', 'AWARDS', 'DISCOVERIES', 'NEWS', 'PUBLICATIONS', 'STATISTICS', 'ABOUT NSF', and 'FASTLANE'. A search bar and 'QUICK LINKS' button are also present. The main content area features a 'Funding' section with a 'Facilitating Research at Primarily Undergraduate Institutions: (RUI)' announcement. A table of contacts lists names and their respective divisions. Below the table, there are sections for 'PROGRAM GUIDELINES' and an 'Important Notice to Proposers' regarding updated proposal policies.

Facilitating Research at Primarily Undergraduate Institutions: (RUI)

CONTACTS

Name	Dir/Div	Name	Dir/Div
Edward Taylor	MPS/DMS	Harriet G. Taylor	CISE/CNS
Richard J. Fragaszy	ENG/EFRI	Jill L. Karsten	GEO/OAD
Michael Mishkind	BIO/IOS	Julie M. Palais	OD/OPP

PROGRAM GUIDELINES

Announcement [00-144](#)

Important Notice to Proposers

A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), [NSF 13-1](#), was issued on October 4, 2012 and is effective for proposals submitted, or due, on or after January 14, 2013. Please be advised that, depending on the specified due date, the guidelines contained in [NSF 13-1](#) may apply to proposals submitted in response to this funding opportunity.

Please be aware that significant changes have been made to the PAPPG to implement revised merit review criteria based on the National Science Board (NSB) report, [National Science Foundation's Merit Review Criteria: Review and Revisions](#). While the two merit review criteria remain unchanged (Intellectual Merit and Broader Impacts), guidance has been provided to clarify and improve the function of the criteria. Changes will affect the project summary and project description sections of proposals. Annual and final reports also will be affected.

- Contact discipline for deadlines and contact information
- Current solicitation number: 00-144
- New solicitation being developed



Research in Undergraduate Institutions (RUI)

- **Program Goals:**

- To support high quality research with active involvement of undergraduates.
- To strengthen the research environment in undergraduate institutions.
- To promote integration of research and education in undergraduate institutions.

- **Proposal Types:**

- Regular research
- Multi-user instrumentation
- Research opportunity awards

- **Eligibility Information:**

- Institutions that award an average of 10 or fewer Ph.D or D.Sc. Degrees per year in all NSF-supportable disciplines are eligible.



Research in Undergraduate Institutions (RUI)

Research in Undergraduate Institutions (RUI)
Faculty Research Projects; Research Instrumentation Grants; and Research Opportunity Awards

PROGRAM ANNOUNCEMENT
NSF 00-144



National Science Foundation

- Office of Integrative Activities
- Office of Polar Programs
- Directorate for Biological Sciences
- Directorate for Education & Human Resources
- Directorate for Engineering
- Directorate for Geosciences
- Directorate for Mathematical & Physical Sciences
- Directorate for Social, Behavioral & Economic Sciences
- Directorate for Computer & Information Science & Engineering

Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):

Proposals Accepted Anytime

SUMMARY OF PROGRAM REQUIREMENTS

General Information

Program Title:

Facilitating Research at Primarily Undergraduate Institutions:
Research in Undergraduate Institutions (RUI) and Research Opportunity Awards (ROA)

Synopsis of Program:

The Research in Undergraduate Institutions (RUI) activity supports research by faculty members of predominantly

Estimated Number of Awards:
Varies across disciplinary
research programs

Anticipated Funding Amount:
Varies across disciplinary
research programs



For More Information

Ask Early, Ask Often!

[nsf.gov/staff](https://www.nsf.gov/staff)

[nsf.gov/staff/orglist.jsp](https://www.nsf.gov/staff/orglist.jsp)

[nsf.gov/about/career_opps/rotators/index.jsp](https://www.nsf.gov/about/career_opps/rotators/index.jsp)