



National Science Foundation
WHERE DISCOVERIES BEGIN

Crosscutting Programs

NSF Grants Conference

Hosted by The George Washington University

October 6-7, 2014

Panelists

Anjuli Bamzai

Program Director, Directorate for Geosciences; Division of Atmospheric and Geospace Sciences

Jessie DeAro

Program Officer, Directorate for Education & Human Resources; Division of Human Resource Development

Cecile Gonzalez

Science Writer-Editor, Directorate for Engineering

Thyaga Nandagopal

Program Director, Directorate for Computer & Information Science & Engineering; Division of Computer & Network Systems



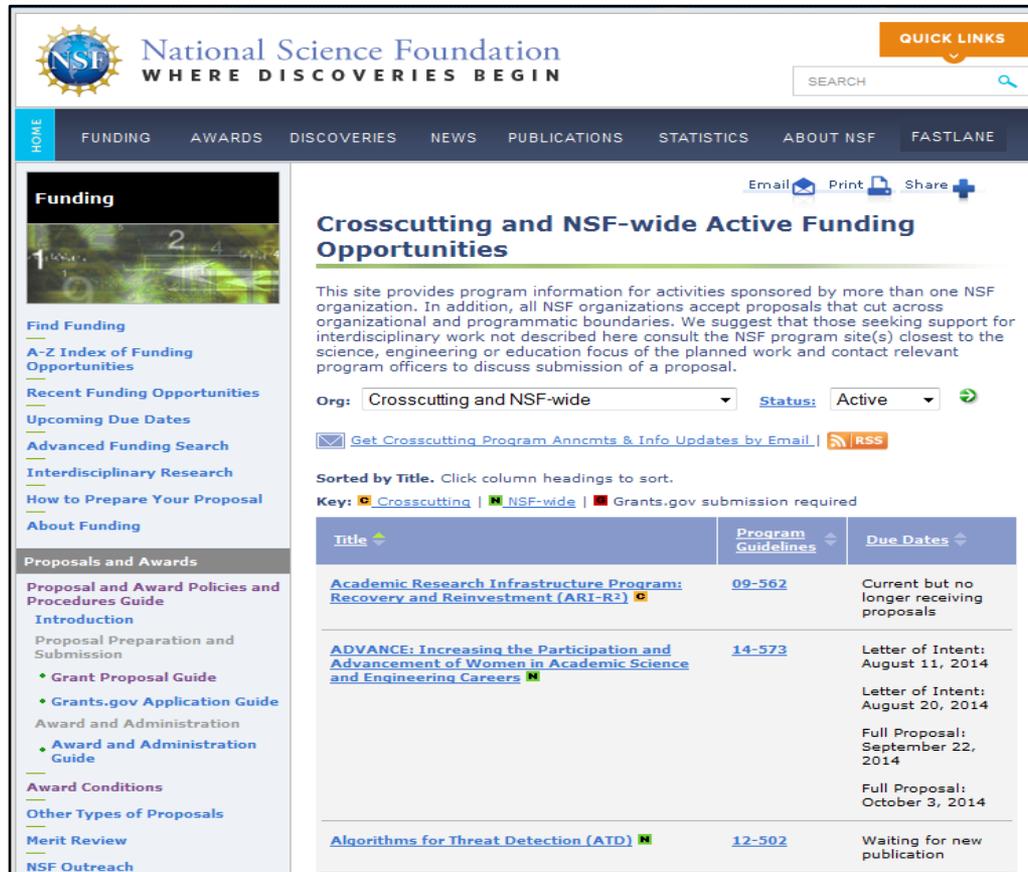
Topics Covered

- **Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE)**
- **Graduate Research Fellowship Program (GRFP)**
- **Grant Opportunities for Academic Liaison with Industry (GOALI)**
- **Grants for Rapid Response Research (RAPID) & EARly-concept Grants for Exploratory Research (EAGER)**
- **Innovation Corps (I-Corps) – Teams & Sites**
- **Research Experiences for Undergraduates (REU)**
- **Major Research Instrumentation Program (MRI)**
- **Facilitating Research in Undergraduate Institutions (RUI)**
- **Science & Technology Centers: Integrative Partnerships (STC)**



Find Funding for Crosscutting Programs

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



The screenshot shows the NSF website's funding page for crosscutting programs. The page features a navigation menu, a search bar, and a list of funding opportunities. The main heading is "Crosscutting and NSF-wide Active Funding Opportunities". Below this, there is a description of the site's purpose and a search filter for "Crosscutting and NSF-wide" programs with an "Active" status. A table lists three funding opportunities with their titles, program numbers, and due dates.

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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: Crosscutting and NSF-wide Status: Active

Get Crosscutting Program Annncmts & Info Updates by Email | RSS

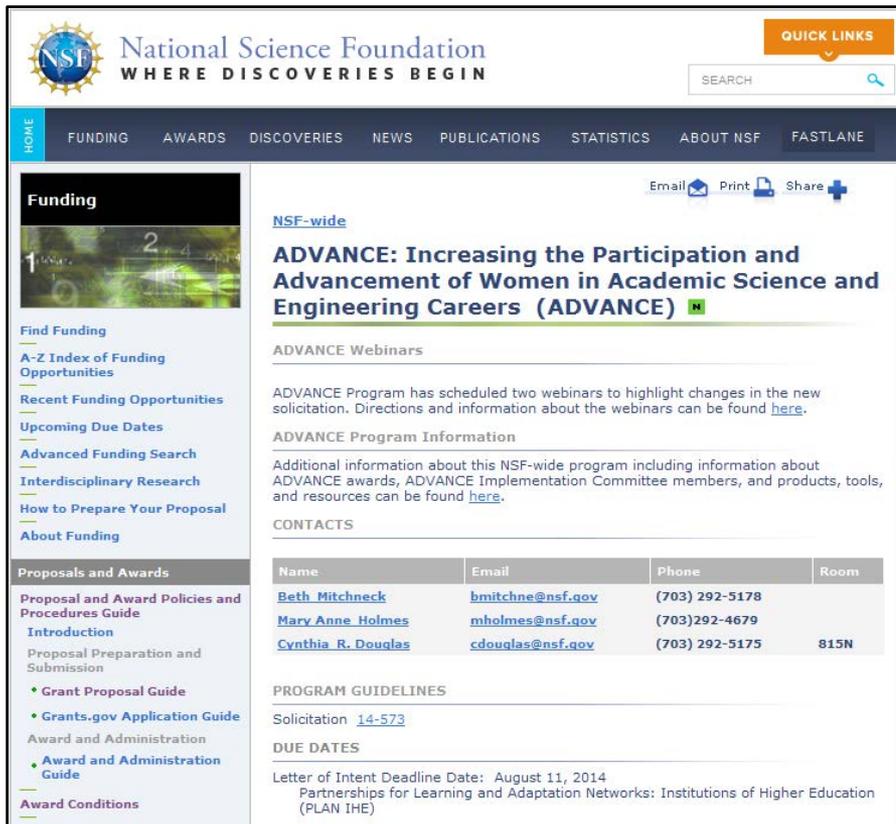
Sorted by Title. Click column headings to sort.

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
ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers ■	14-573	Letter of Intent: August 11, 2014 Letter of Intent: August 20, 2014 Full Proposal: September 22, 2014 Full Proposal: October 3, 2014
Algorithms for Threat Detection (ATD) ■	12-502	Waiting for new publication



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



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Funding

NSF-wide

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

ADVANCE Webinars

ADVANCE Program Information

CONTACTS

Name	Email	Phone	Room
Beth Mitchneck	bmitchne@nsf.gov	(703) 292-5178	
Mary Anne Holmes	mholmes@nsf.gov	(703) 292-4679	
Cynthia R. Douglas	cdouglas@nsf.gov	(703) 292-5175	815N

PROGRAM GUIDELINES

Solicitation [14-573](#)

DUE DATES

Letter of Intent Deadline Date: August 11, 2014
Partnerships for Learning and Adaptation Networks: Institutions of Higher Education (PLAN IHE)

- **Deadlines:**

Letter of Intent due dates vary by track

Full Proposal deadlines:

- September 22, 2014: PLAN IHE
- October 3, 2014: PLAN D
- November 3, 2015: IT Catalyst
- January 20, 2016: IT



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 2015-2016**
 - Partnerships for Learning and Adaptation Networks: Institutions of Higher Education
 - Partnerships for Learning and Adaptation Networks: STEM Disciplines
 - Institutional Transformation Catalyst Projects support the evaluation of current institutional activities to identify areas for transformation and cultural change.
 - Institutional Transformation Projects systemically and permanently change institutional practices to promote women in STEM academics.
- **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 14-573

REPLACES DOCUMENT(S):
NSF 12-584



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 International and Integrative Activities

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

August 11, 2014

Partnerships for Learning and Adaptation Networks: Institutions of Higher Education (PLAN IHE)

August 20, 2014

Partnerships for Learning and Adaptation Networks: STEM Disciplines (PLAN D)

October 05, 2015

Institutional Transformation Catalyst (IT Catalyst)

November 05, 2015

Institutional Transformation (IT)

Estimated Number of Awards: 20

Anticipated Funding Amount: \$11 million



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Graduate Research Fellowship Program (GRFP)



The screenshot shows the NSF website's homepage for the Graduate Research Fellowship Program (GRFP). The top navigation bar includes links for HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, and FASTLANE. A search bar and a QUICK LINKS dropdown are also visible. The main content area features a 'Funding' section with a 'Find Funding' link and a list of funding opportunities. The central focus is the 'NSF-wide NSF Graduate Research Fellowship Program (GRFP)' announcement, which states that the application period is now open. Below this, there is a 'CONTACTS' section providing the contact information for the Graduate Research Fellowship Operations Center.

NSF-wide
NSF Graduate Research Fellowship Program (GRFP)

GRFP Application Period Now Open

The NSF Graduate Research Fellowship Program (GRFP) [application](#) period is now open! NSF is soliciting applications for the GRFP until the posted deadlines in early November 2013. Since 1952, GRFP has provided Fellowships to individuals selected early in their graduate careers based on their demonstrated potential for significant achievements in science and engineering. Three years of support is provided by the program for graduate study that is in a field within NSF's mission and leads to a research-based master's or doctoral degree. The NSF expects to award 2,700 Graduate Research Fellowships under this program solicitation pending availability of funds.

CONTACTS

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

Contact:

GRFP Operations Center

866-NSF-GRFP; 866-673-4737

info@nsfgrfp.org

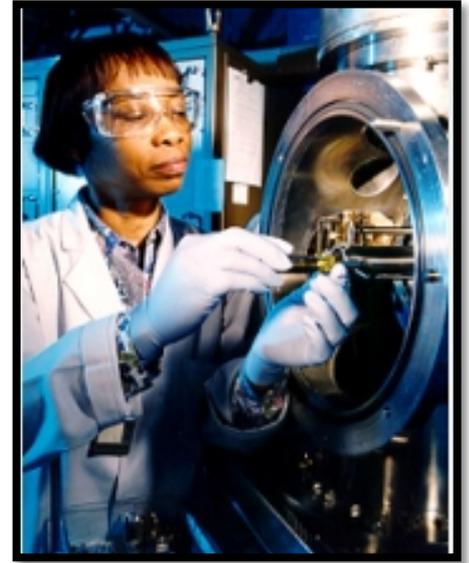
Deadlines:

- October 29: Engineering, Computer & Information Science & Engineering, Materials Research
- October 30: Math, Chemistry, Physics and Astronomy
- November 3: Social Sciences, Psychology, STEM Education & Learning
- November 4: Life Sciences, Geosciences



Graduate Research Fellowship Program (GRFP)

- Individual applications: research-based master's and doctoral degree in STEM including STEM education
- Awards about 2,000 for FY15
- Support STEM graduate students for 3 years
- Expand international research collaboration through Graduate Research Opportunities Worldwide (GROW): <http://www.nsf.gov/grow>
- 3-12 months research in partner countries



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 \$32,000 to the Fellow and a cost-of-education allowance of \$12,000 to the degree-granting institution.
- Pending the availability of funds in 2015, it is anticipated that the stipend will increase to \$34,000, as indicated in NSF's FY2015 Budget Request to Congress.



Graduate Research Fellowship Program (GRFP)

Graduate Research Fellowship Program (GRFP)

PROGRAM SOLICITATION

NSF 14-590

REPLACES DOCUMENT(S):

NSF 13-584



National Science Foundation

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Directorate for Education & Human Resources
Division of Graduate Education

Directorate for Engineering

Directorate for Geosciences

Directorate for Mathematical & Physical Sciences

Directorate for Social, Behavioral & Economic Sciences

Office of International and Integrative Activities

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

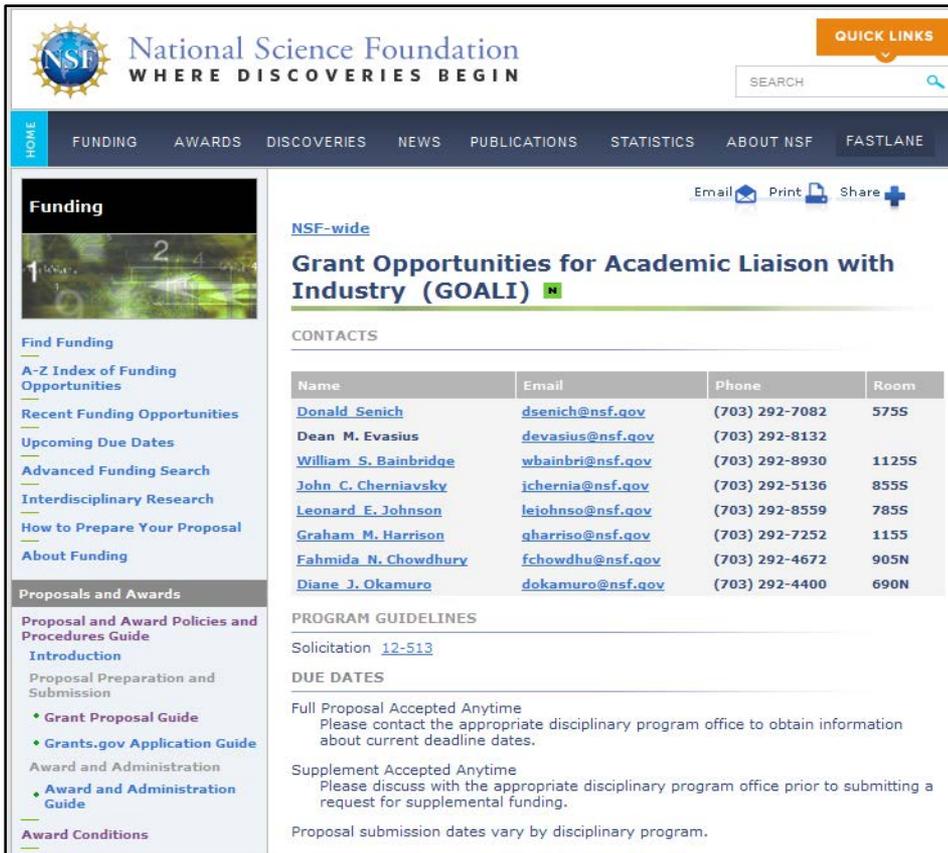
October 29, 2014

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

**Anticipated Funding
Amount: \$333 million**



Grant Opportunities for Academic Liaison with Industry (GOALI)



The screenshot shows the NSF website's 'Funding' section for the 'Grant Opportunities for Academic Liaison with Industry (GOALI)' program. The page includes a navigation menu, a search bar, and a 'QUICK LINKS' button. The main content area features a 'CONTACTS' table with columns for Name, Email, Phone, and Room. Below the table are sections for 'PROGRAM GUIDELINES' and 'DUE DATES'.

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

CONTACTS

Name	Email	Phone	Room
Donald Senich	dsenich@nsf.gov	(703) 292-7082	575S
Dean M. Evasius	devasius@nsf.gov	(703) 292-8132	
William S. Bainbridge	wbainbri@nsf.gov	(703) 292-8930	1125S
John C. Cherniavsky	jchernia@nsf.gov	(703) 292-5136	855S
Leonard E. Johnson	lejohnso@nsf.gov	(703) 292-8559	785S
Graham M. Harrison	gharriso@nsf.gov	(703) 292-7252	115S
Fahmida N. Chowdhury	fchowdhu@nsf.gov	(703) 292-4672	905N
Diane J. Okamuro	dokamuro@nsf.gov	(703) 292-4400	690N

PROGRAM GUIDELINES
Solicitation [12-513](#)

DUE DATES
Full Proposal Accepted Anytime
Please contact the appropriate disciplinary program office to obtain information about current deadline dates.
Supplement Accepted Anytime
Please discuss with the appropriate disciplinary program office prior to submitting a request for supplemental funding.
Proposal submission dates vary by disciplinary program.

- 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 and Integrative Activities

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



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Grants for Rapid Response Research (RAPID)

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



RAPID

- **Requests may be for up to \$200K and for one year of duration**
- **The project description is expected to be brief; no more than five pages**
- **Only internal merit review is required for RAPID proposals. Under rare circumstances, Program Officers may elect to obtain external reviews. If external merit review is to be used, then the PI will be informed**



EArly-concept Grants for **EA**xploratory Research (**EA**GER)

- **The EA**GER funding mechanism may be used to support exploratory work in its early stages on untested, but potentially transformative, research ideas or approaches.
- This work is considered especially "high risk-high payoff" because it involves radically different approaches, applies new expertise, or engages novel disciplinary or interdisciplinary perspectives.



EAGER

- **Requests may be for up to \$300K and for two years of duration**
- **Only internal merit review is required. Under rare circumstances, Program Officers may elect to obtain external reviews. If external merit review is to be used, then the PI will be informed**
- **No-cost extensions, and requests for supplemental funding may be requested but are subject to full external merit review**



Innovation Corps Sites Program (I-Corps Sites)



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NSF-wide
Innovation Corps Sites Program (I-Corps Sites)

CONTACTS

Name	Email	Phone	Room
Rathindra_DasGupta	rdasgupt@nsf.gov	(703) 292-8353	
Anita_J.La Salle	alasalle@nsf.gov	(703) 292-5006	
Don_L.Millard	dmillard@nsf.gov	(703) 292-4620	

PROGRAM GUIDELINES
Solicitation [14-547](#)

DUE DATES
Full Proposal Deadline Date: June 9, 2015
Second Tuesday in June, Annually Thereafter

SYNOPSIS

- **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:**
June 9, 2015
- **Current solicitation number:**
NSF 14-547

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 14-547

REPLACES DOCUMENT(S):

NSF 12-604



National Science Foundation

Office of International and 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

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

June 27, 2014

June 09, 2015

Second Tuesday in June, Annually Thereafter

IMPORTANT INFORMATION AND REVISION NOTES

- Due date is earlier in the year than prior solicitation's due date.
- A limit has been placed on the number of proposals per Organization

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

Anticipated funding amount: 1.5 million



Innovation Corps Teams Program (I-Corps Teams)

National Science Foundation
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Award and Administration
• Award and Administration Guide

NSF-wide
Innovation Corps Teams Program (I-Corps Teams)

CONTACTS

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:**
October 1, 2014 – December 15, 2014
January 1, 2013 - March 15, 2015
April 1, 2013 - June 17, 2015
July 1, 2013 - September 15, 2015
- **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



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Research Experiences for Undergraduates (REU)

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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.**

CONTACTS

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

PROGRAM GUIDELINES

Solicitation [13-542](#)

DUE DATES

Full Proposal Deadline Date: August 27, 2014
Deadline for REU Site proposals except those requiring access to Antarctica
Fourth Wednesday in August, Annually Thereafter

Full Proposal Deadline Date: May 22, 2015
Deadline for REU Site proposals requiring access to Antarctica. All other REU Site proposals must be submitted to the August REU deadline.
Fourth Friday in May, Annually Thereafter

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Proposal Preparation and Submission

- Grant Proposal Guide
- Grants.gov Application Guide

- **Contact Information:**
http://www.nsf.gov/crssprgm/reu/reu_contacts.jsp
- **Deadlines:**
 - Full Proposal for REU Sites (Antarctica): May 22, 2015
 - Full Proposal for REU Sites (non-Antarctica): August 26, 2015
- **Current solicitation number:**
13-542



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
- Partnership with the Department of Energy's Geothermal Technologies Program
- International Projects
- Research Experiences for Teachers



Research Experiences for Undergraduates (REU)

Research Experiences for Undergraduates (REU)

Sites and Supplements

PROGRAM SOLICITATION

NSF 13-542

REPLACES DOCUMENT(S):

NSF 12-569



National Science Foundation

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering
Division of Advanced Cyberinfrastructure

Directorate for Education & Human Resources

Directorate for Engineering

Directorate for Geosciences
Division of Polar Programs

Directorate for Mathematical & Physical Sciences

Directorate for Social, Behavioral & Economic Sciences

Office of International and Integrative Activities

Estimated Number of Awards:

180 new site awards and 1,600 new supplement awards per year

Anticipated Funding Amount:

\$68 million

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



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Major Research Instrumentation (MRI)

The screenshot shows the NSF website with the following content:

- Header:** NSF logo, "National Science Foundation WHERE DISCOVERIES BEGIN", "QUICK LINKS", and a search bar.
- 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, Other Types of Proposals, Merit Review, NSF Outreach.
- Main Content:**
 - 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
- **New Solicitation Under Development**

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, PIs 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

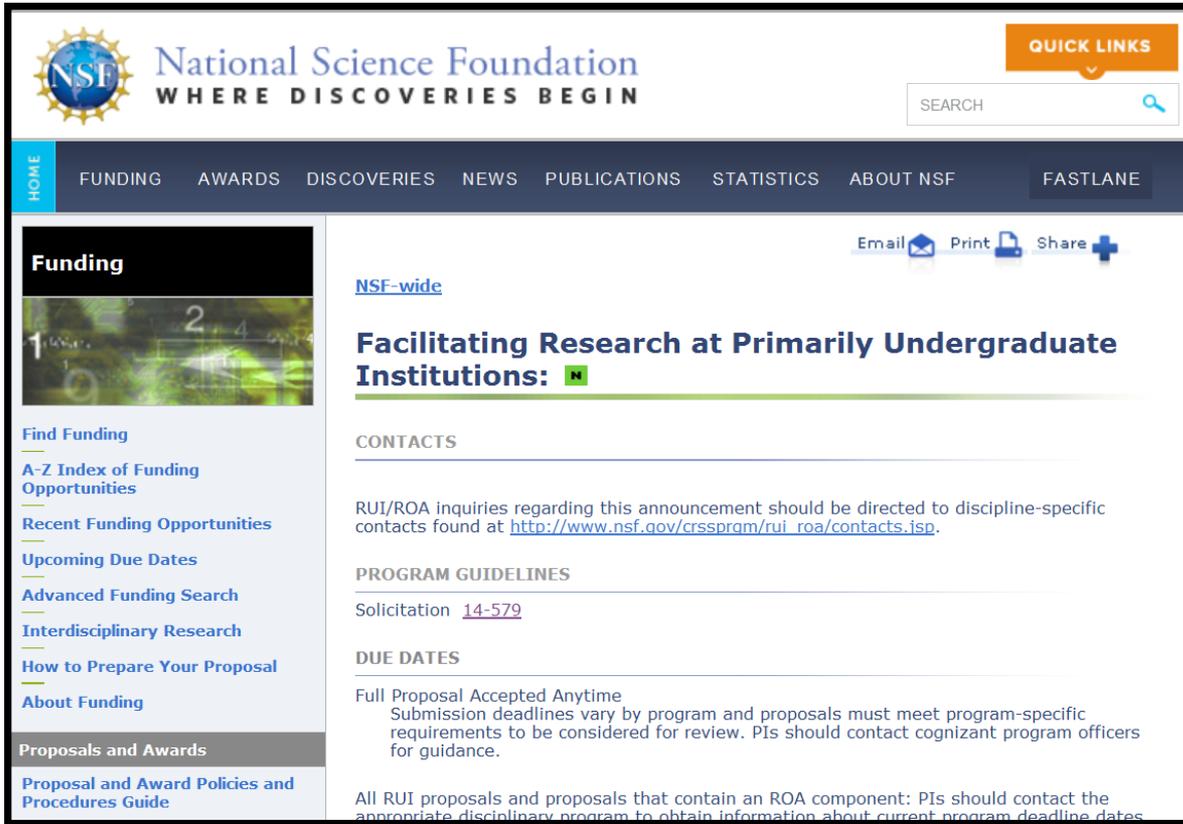
Estimated Number of Awards: 175

Anticipated Funding Amount: \$90 million



National Science Foundation
WHERE DISCOVERIES BEGIN

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



The screenshot shows the NSF website interface. At the top left is the NSF logo with the tagline "WHERE DISCOVERIES BEGIN". To the right is a search bar and a "QUICK LINKS" button. Below the header is a navigation menu with options: HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, and FASTLANE. The main content area features a "Funding" sidebar on the left with links like "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". The main content area displays the announcement "Facilitating Research at Primarily Undergraduate Institutions: **RUI**" under the "NSF-wide" category. Below the title are sections for "CONTACTS", "PROGRAM GUIDELINES", and "DUE DATES". The "CONTACTS" section states that inquiries should be directed to discipline-specific contacts at http://www.nsf.gov/crsspram/rui_roa/contacts.isp. The "PROGRAM GUIDELINES" section lists solicitation number 14-579. The "DUE DATES" section notes that submission deadlines vary by program and that PIs should contact cognizant program officers for guidance. A note at the bottom states: "All RUI proposals and proposals that contain an ROA component: PIs should contact the appropriate disciplinary program to obtain information about current program deadline dates."

- Submission deadlines vary by program
- Contact program officers for guidance



Research in Undergraduate Institutions (RUI) Research Opportunity Awards (ROA)

- **RUI proposals can be a request**
 - **To support an individual research project or collaborative project involving RUI faculty and students at their own or other institutions;**
 - **Involving shared research instrumentation**
- **ROA include the following types**
 - **Supplement/rebudget request to an existing award to support ROA activities for RUI faculty;**
 - **New collaborative proposal between a RUI and another institution(s)**



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

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

PROGRAM SOLICITATION

NSF 14-579

REPLACES DOCUMENT(S):

NSF 00-144



National Science Foundation

Office of International and 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

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

Proposals Accepted Anytime

Estimated Number of Awards:
Varies across disciplinary research programs

Anticipated Funding Amount:
Varies across disciplinary research programs



National Science Foundation
WHERE DISCOVERIES BEGIN



Science & Technology Centers: Integrative Partnerships (STC)

- **Contact Information**

- Dragana Brzakovic: dbrzakov@nsf.gov

- **Deadlines**

Preliminary Proposal:

- December 11, 2014

Full Proposal Target Date:

- June 16, 2015

The screenshot shows the NSF website with the following content:

- Header:** National Science Foundation logo and tagline "WHERE DISCOVERIES BEGIN". A search bar and "QUICK LINKS" button are also present.
- Navigation:** A dark blue bar with links for HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, and FASTLANE.
- Left Sidebar:** A "Funding" section with a grid of images and a list of links: 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, and Grant Proposal Guide.
- Main Content:**
 - NSF-wide** link.
 - Science and Technology Centers: Integrative Partnerships** (with a new icon).
 - STC Announcement** section: "The Office of International and Integrative Activities is pleased to announce three new Science and Technology Centers: - [Biology with X-Ray Free Electron Lasers](#) - [A Center for Brains, Minds, and Machines: the Science and Technology of Intelligence](#) - [Center for Integrated Quantum Materials](#)".
 - STC In the News** section: "New STC Frequently Asked Questions (FAQs) will be coming soon."
 - CONTACTS** table:

Name	Email	Phone	Room
Dragana Brzakovic	dbrzakov@nsf.gov	(703)292-8040	

- PROGRAM GUIDELINES** section: Solicitation [14-600](#).



Science & Technology Centers: Integrative Partnerships (STC)

- **STCs conduct world-class research through partnerships among academic institutions, national laboratories, industrial organizations, and/or other public/private entities, and via international collaborations, as appropriate.**
- **Centers must undertake activities that facilitate knowledge transfer, i.e., the exchange of scientific and technical information with the objective of disseminating and utilizing knowledge broadly in multiple sectors.**



Science & Technology Centers: Integrative Partnerships

- **Preliminary proposals and invited full proposals may only be submitted by domestic (United States) academic institutions that are located in the United States, its territories or possessions, and have doctoral degree-granting research and education programs in any area of research supported by NSF.**
- **A single organization may submit a maximum of three preliminary proposals as the lead institution. Full proposals are to be submitted only when invited by NSF.**



Science & Technology Centers: Integrative Partnerships

Science and Technology Centers: Integrative Partnerships

PROGRAM SOLICITATION
NSF 14-600

REPLACES DOCUMENT(S):
NSF 11-522



National Science Foundation

Office of International and 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

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

December 11, 2014

Full Proposal Target Date(s):

June 16, 2015

Estimated Number of Awards
Up to 4 awards

Anticipated Funding
\$20 million



National Science Foundation
WHERE DISCOVERIES BEGIN



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)

