



National Science Foundation
WHERE DISCOVERIES BEGIN

NSF Grants Conference Crosscutting Programs

October 22-23, 2012

Hosted by George Mason University, Arlington, Virginia





Panelists

Cheryl Albus

Program Director, Directorate for Engineering, Division of Industrial Innovation & Partnerships

Randy Phelps

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

Nigel Sharp

Program Director, Directorate for Mathematical & Physical Sciences, Division of Astronomical Sciences

Donald Senich

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

Judy Verbeke

Deputy Division Director (Acting), Directorate for Biological Sciences, Division of Biological Infrastructure



Topics Covered

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



Find Funding for Crosscutting Programs

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

The screenshot shows the NSF website interface. At the top, there is the NSF logo and the text "National Science Foundation WHERE DISCOVERIES BEGIN". A search bar is located on the right. Below the header is a navigation menu with options: HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, and FASTLANE. The main content area is titled "Crosscutting and NSF-wide Active Funding Opportunities". It includes a description of the program, filters for "Org: Crosscutting and NSF-wide" and "Status: Active", and a table of funding opportunities. The table has columns for Title, Program Guidelines, and Due Dates. The table lists three programs: Academic Research Infrastructure Program: Recovery and Reinvestment (ARI-R2), Active Nanostructures and Nanosystems (ANN) (SNM), and ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers.

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 Annmts & 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
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. The page title is 'ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE)'. Below the title, there is a section for 'ADVANCE Program Information' with a link to 'here' for more information. A 'CONTACTS' table lists the following individuals:

Name	Email	Phone	Room
Kelly Mack	kmack@nsf.gov	(703) 292-8575	815N
Beth Mitchneck	bmitchne@nsf.gov	(703) 292-4684	815N
Mary Moriarty	mmoriart@nsf.gov	(703) 292-4684	
Jolene K. Jesse	jjesse@nsf.gov	(703) 292-7303	
Patricia Simms	psimms@nsf.gov	(703) 292-7869	815N
Cynthia R. Douglas	cdouglas@nsf.gov	(703) 292-5175	815N

Below the table, there is a 'PROGRAM GUIDELINES' section with a link to '12-584' and a 'DUE DATES' section with the text: 'Letter of Intent Deadline Date: October 5, 2012 Partnerships for Adaptation, Implementation and Dissemination (PAID)'.

- **Contact:**
 - Kelly Mack: (703) 292-8575; kmack@nsf.gov
 - Beth Mitchneck: (703) 292-4684; bmitchne@nsf.gov
 - Mary Moriarty: (703) 292-4684; mmoriart@nsf.gov
 - Jolene Jesse: (703) 292-7303; jjesse@nsf.gov
 - Patricia Simms: (703) 292-7869; psimms@nsf.gov
 - Cynthia Douglas: (703) 292-5175; cdouglas@nsf.gov
- **Deadline:**
 - For full proposal: November 8, 2012
- **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



Graduate Research Fellowship Program (GRFP)

Funding

NSF-wide
NSF Graduate Research Fellowship Program (GRFP)

CONTACTS

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

- **Contact:**
 - Gisele Muller-Parker: (703) 292-8694; grfp@nsf.gov
 - Doris Carver: (703) 292-4684; grfp@nsf.gov
- **Deadlines: November 13-19, 2012**
 - See solicitation for discipline-specific due dates
- **Current solicitation number: 12-599**



Graduate Research Fellowship Program (GRFP)

- Program Goals
 - Elect, 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

Estimated Number of Awards: 2,000

Anticipated Funding Amount: \$243 million



Integrative Graduate Education and Research Traineeship (IGERT)

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

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](#)

SYNOPSIS

The Integrative Graduate Education and Research Traineeship (IGERT) program has been developed to meet the challenges of educating U.S. Ph.D. scientists and engineers with interdisciplinary backgrounds, deep knowledge in chosen disciplines, and technical, professional, and personal skills. The program is intended to establish new models for graduate education and training in a fertile environment for collaborative research that transcends traditional disciplinary boundaries. It is also intended to facilitate diversity in student participation and preparation, and to contribute to a world-class, broadly inclusive, and globally engaged science and engineering workforce.

Building upon the IGERT platform, the purpose of this IGERT solicitation is to support new models in graduate education in which students are engaged in an environment that supports innovation to learn through hands-on experience how their own research may contribute in new ways to benefit society and to learn the processes for the successful implementation of such contributions.

- **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 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)

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



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.**



Research Experiences for Undergraduates (REU)

NSF-wide

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

- **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 Education in Science and Engineering
 - Research Experiments for Teachers
 - REU Supplements for Evaluative Research Experiences



Research Experiences 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

- 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

- 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.



Research in Undergraduate Institutions (RUI)

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: HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, and FASTLANE. The main content area is titled "Funding" and features a "Crosscutting/NSF-wide" section for "Facilitating Research at Primarily Undergraduate Institutions: (RUI)". Below this is a "CONTACTS" table with two columns of names and their respective divisions. Further down are sections for "PROGRAM GUIDELINES" and "DUE DATES".

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

- 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.



Ethics Education in Science & Engineering (EERE)

The screenshot shows the NSF website interface for the EERE funding opportunity. 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 button are also present. The main content area is titled "Ethics Education in Science and Engineering (EERE)" and includes a "CONTACTS" table, "PROGRAM GUIDELINES", "DUE DATES", and "SYNOPSIS" sections.

Name	Dir/Div	Name	Dir/Div
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](#)

DUE DATES
Full Proposal Deadline Date: March 1, 2013

SYNOPSIS
The Ethics Education in Science and Engineering (EERE) program funds 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. Although the primary focus is on improving ethics education for graduate students in NSF-funded fields, the program also supports...

- Contact disciplines for deadlines and contact information.

- Deadlines:
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 (EESE)

Ethics Education in Science and Engineering (EESE)

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**



Research Coordination Networks (RCN)

The screenshot shows the NSF website's 'Research Coordination Networks (RCN) (RCN)' page. The page header includes the NSF logo and navigation tabs for 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 is titled 'NSF-wide Research Coordination Networks (RCN) (RCN)' and includes a 'Special Announcement for RCN-SEES proposals'. The text explains that proposers should select 'Research Coordination Networks program' from the FastLane menu and choose a Division (DBI or CBET). It also provides links for 'CONTACTS', 'PROGRAM GUIDELINES', and 'DUE DATES'. The 'DUE DATES' section states that full proposals for the RCN SEES Track are due on February 4, 2013. A sidebar on the left contains 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', 'About Funding', 'Proposals and Awards', and 'Proposal and Award Policies and Procedures Guide'.

- RCN contact information is available at: http://www.nsf.gov/bio/ef/rcn_sees_contacts_2011.htm
- **Deadlines:**
 - For general (non-targeted) RCN: **Contact individual program for due dates**
 - For targeted tracks:
 - RCN SEES: Feb 4, 2013
- **Current solicitation number: 11-531**
- **New solicitation being developed**



Research Coordination Networks (RCN)

- **Program Goals:**

- **To advance a field or create new directions in research or education; innovative ideas for implementing novel networking strategies are especially encouraged.**
- **To communicate and coordinate groups of investigators in their research, training, and educational activities across disciplinary, organizational, geographic, and international boundaries.**



Research Coordination Networks (RCN)

- **Additional targeted tracks within the RCN programs are intended to foster linkages across selected directorates:**
 - **Science, Engineering, and Education for Sustainability (RCN-SEES):** Focuses on interdisciplinary topics that will advance sustainability science, engineering and education as an integrative approach to the challenges of adapting to environmental, social and cultural changes associated with growth and development of human populations, and attaining a sustainable energy future.
 - **Undergraduate Biology Education (RCN-UBE):** Focuses on any topic likely to lead to improved participation, learning, or assessment in undergraduate biology curricula.



Research Coordination Networks (RCN)

Research Coordination Networks (RCN)

PROGRAM SOLICITATION
NSF 11-531

REPLACES DOCUMENT(S):
NSF 10-566



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

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

May 24, 2011

RCN SEES Track

June 15, 2011

RCN UBE and UBE Incubator Track

February 03, 2012

**Estimated Number of
Awards: 15 to 25**

**Anticipated Funding
Amount:
\$7,500,000 to \$17,500,000
(pending availability of
funding)**



Research Coordination Networks (RCN)

- **Eligibility Information:**
 - **Proposals may only be submitted by the following:**
 - **Non-profit, non-academic organizations (e.g., independent museums, observatories, research labs, professional societies) in the U.S. associated with educational or research activities.**
 - **Universities and two- and four-year colleges (including community colleges) accredited in, and having a campus located in the U.S., acting on behalf of their faculty members.**



Grant Opportunities for Academic Liaison with Industry (GOALI)

Funding

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. Okamura	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.

- 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)

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



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 the commercialization of the research.



Innovation Corps Sites Program (I-Corps Sites)

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

Crosscutting/NSF-wide

Innovation Corps Sites Program (I-Corps Sites)

CONTACTS

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

PROGRAM GUIDELINES

Solicitation [12-604](#)

DUE DATES

Full Proposal Deadline Date: January 7, 2013

Full Proposal Deadline Date: July 1, 2013
First Monday in July, Annually Thereafter

SYNOPSIS

The National Science Foundation (NSF) seeks to develop and nurture a national innovation ecosystem that builds upon research to guide the output of scientific discoveries closer to the development of technologies, products and processes that benefit society.

In order to contribute to a national innovation ecosystem, NSF is establishing the NSF Innovation Corps Sites Program (NSF I-Corps Sites). Sites are funded at academic institutions, having already existing innovation or entrepreneurial units, to enable them to:

- Nurture students and/or faculty who are engaged in projects having the potential

- I-Corp Sites contact information is available at: www.nsf.gov/funding/pgm_summ.jsp?pims_id=504802&org=NSF&selorg=XCUT&from=fund
- **Deadline For Full Proposal: January 07, 2013 & July 01, 2013**
- **Current solicitation number: 12-604**
- **Estimated number of awards: 15 awards annually, pending availability of funds**
- **Anticipated funding amount: 1.5 million**



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 Teams Program (I-Corps Teams)

The screenshot shows the NSF website page for the Innovation Corps Teams Program (I-Corps Teams). The page features a navigation menu with options like HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, and FASTLANE. A search bar is located in the top right corner. The main content area is titled 'NSF-wide' and 'Innovation Corps Teams Program (I-Corps Teams)'. Below this, there is a 'CONTACTS' section with a table listing contact information for three individuals: Errol B. Arkilic, Rathindra DasGupta, and Anita J. La Salle. The 'PROGRAM GUIDELINES' section includes 'Solicitation 12-602' and 'DUE DATES' for various proposal windows.

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](#)

DUE DATES

Full Proposal Window: October 1, 2012 - December 17, 2012
Please note: These are broad submission dates. Refer to Section II. Program Description and the I-Corps website: <http://www.nsf.gov/i-corps-home> where additional information is available describing dates of mandatory curriculum and proposal submission.
October 1 - December 15, Annually Thereafter

Full Proposal Window: January 1, 2013 - March 15, 2013
January 1 - March 15, Annually Thereafter

Full Proposal Window: April 1, 2013 - June 17, 2013
April 1 - June 15, Annually Thereafter

Full Proposal Window: July 1, 2013 - September 16, 2013
July 1 - September 15, Annually Thereafter

- I-Corp Teams contact information is available at: www.nsf.gov/funding/pgm_summ.jsp?pims_id=504672&org=NSF&selorg=XCUT&from=fund
- **Submission Windows:**
October 1, 2012-December 17, 2012
January 1, 2013-March 15, 2013
April 1, 2013-June 17, 2013
July 1, 2013-September 16, 2013
- **Current solicitation number:**
12-602
- **Estimated number of awards:**
250
- **Anticipated funding amount:**
12.5 million



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



Major Research Instrumentation (MRI)

The screenshot shows the NSF website's navigation menu with 'Funding' selected. The main content area features the title 'Major Research Instrumentation Program' with a green 'N' icon. Below the title, there are sections for 'MRI ANNOUNCEMENTS', 'FREQUENTLY ASKED QUESTIONS POSTED', and 'CONTACTS'. A table lists contact information for Dr. Randy L. Phelps, including email (mri@nsf.gov) and phone (703) 292-8040. Further down, there is a 'PROGRAM GUIDELINES' section with a link to solicitation 11-503, and a 'SYNOPSIS' section.

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 [11-503](#)

SYNOPSIS
The Major Research Instrumentation Program (MRI) serves to increase access to shared

- **Contact Information:**
 - (703) 292-8040
 - mri@nsf.gov
- **Deadline:**
 - January 24, 2013
- **Current solicitation number: 11-503**



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)

Major Research Instrumentation Program:

Instrument Acquisition or Development

PROGRAM SOLICITATION

NSF 11-503

REPLACES DOCUMENT(S):

NSF 10-529



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):

January 27, 2011

4th Thursday in January thereafter

**Estimated Number of
Awards: 175**

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



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 their 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



For More Information

ADVANCE - Program Page: www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383

Recent, Active Awards:

www.nsf.gov/awardsearch/progSearch.do?SearchType=progSearch&page=2&QueryText=&ProgOrganization=&ProgOfficer=&ProgEleCode=&BooleanElement=false&ProgRefCode=&BooleanRef=false&ProgProgram=A%2CADVANCE+-+FELLOWS%2CADVANCE+-+INSTITUTIONAL+TRANSF%2CADVANCE+-+INSTITUTIONAL+TRANSF%2CADVANCE+-+IT-START%2CADVANCE+-+LEADERSHIP%2CADVANCE-PAID&ProgFoaCode=&Restriction=2&Search=Search#results

EASE - Programs Page: www.nsf.gov/funding/pgm_summ.jsp?pims_id=13338

Recent, Active Awards:

www.nsf.gov/awardsearch/progSearch.do?WT.si_n=ClickedAbstractsRecentAwards&WT.si_x=1&WT.si_cs=1&WT.z_pims_id=13338&SearchType=progSearch&page=2&QueryText=&ProgOrganization=&ProgOfficer=&ProgEleCode=&BooleanElement=false&ProgRefCode=&BooleanRef=false&ProgProgram=ETHICS+EDU+FOR+SCI+%26+ENG+PROG&ProgFoaCode=&Restriction=2&Search=Search#results

GOALI - Program Page:

www.nsf.gov/funding/pgm_summ.jsp?pims_id=504699&org=NSF&sel_org=XCUT&from=fund

Recent, Active Awards:

www.nsf.gov/awardsearch/progSearch.do?WT.si_n=ClickedAbstractsRecentAwards&WT.si_x=1&WT.si_cs=1&WT.z_pims_id=13706&SearchType=progSearch&page=ProgEleCode=1504#results



I-Corps Teams- Program Page: www.nsf.gov/funding/pgm_summ.jsp?pims_id=504672

Recent, Active Awards:

www.nsf.gov/awardsearch/progSearch.do?WT.si_n=ClickedAbstractsRecentAwards&WT.si_x=1&WT.si_cs=1&WT.z_pims_id=504672&SearchType=progSearch&page=2&QueryText=&ProgOrganization=&ProgOffice=&ProgEleCode=8023&BooleanElement=true&ProgRefCode=&BooleanRef=true&ProgProgram=&ProgFoaCode=&RestrictActive=on&Search=Search#results

IGERT - Program Page: www.nsf.gov/funding/pgm_summ.jsp?pims_id=12759

Recent, Active Awards:

www.nsf.gov/awardsearch/progSearch.do?WT.si_n=ClickedAbstractsRecentAwards&WT.si_x=1&WT.si_cs=1&WT.z_pims_id=12759&SearchType=progSearch&page=2&QueryText=&ProgOrganization=&ProgOffice=&ProgEleCode=1328,1335&BooleanElement=true&ProgRefCode=&BooleanRef=true&ProgProgram=&ProgFoaCode=&RestrictActive=on&Search=Search#results

MRI - Program Page: www.nsf.gov/od/oia/programs/mri

Recent, Active Awards:

www.nsf.gov/awardsearch/progSearch.do?WT.si_n=ClickedAbstractsRecentAwards&WT.si_x=1&WT.si_cs=1&WT.z_pims_id=5260&SearchType=progSearch&page=2&QueryText=&ProgOrganization=&ProgOffice=&ProgEleCode=1189&BooleanElement=true&ProgRefCode=&BooleanRef=true&ProgProgram=&ProgFoaCode=&RestrictActive=on&Search=Search#results



RCN - Program Page: www.nsf.gov/funding/pgm_summ.jsp?pims_id=11691

Recent, Active Awards:

www.nsf.gov/awardsearch/progSearch.do?WT.si_n=ClickedAbstractsRecentAwards&WT.si_x=1&WT.si_cs=1&WT.z_pims_id=11691&RestrictActive=on&d-30996-s=0&d-30996-xo=ascending&d-30996-xs=0&ProgFoaCode=&QueryText=&Search=Search&ProgEleCode=&d-30996-p=1&BooleanElement=true&ProgOfficer=&SearchType=progSearch&ProgOrganization=&BooleanRef=true&page=2&ProgRefCode=1664&ProgProgram=&d-30996-o=1#results

REU - Program Page: www.nsf.gov/funding/pgm_summ.jsp?pims_id=5517

Recent, Active Awards:

www.nsf.gov/awardsearch/progSearch.do?WT.si_n=ClickedAbstractsRecentAwards&WT.si_x=1&WT.si_cs=1&WT.z_pims_id=5517&SearchType=progSearch&page=2&QueryText=REU+Site&RestrictTitle=on&ProgOrganization=&ProgOfficer=&ProgEleCode=&BooleanElement=true&ProgRefCode=9250&BooleanRef=true&ProgProgram=&ProgFoaCode=&Restriction=2&Search=Search#results

RUI - Program Page: www.nsf.gov/funding/pgm_summ.jsp?pims_id=5518

Recent, Active Awards:

www.nsf.gov/awardsearch/progSearch.do?WT.si_n=ClickedAbstractsRecentAwards&WT.si_x=1&WT.si_cs=1&WT.z_pims_id=5518&SearchType=progSearch&page=2&QueryText=&ProgOrganization=&ProgOfficer=&ProgEleCode=&BooleanElement=true&ProgRefCode=9229%2C9141&BooleanRef=true&RestrictActive=on&Search=Search#results



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)