



National Science Foundation
WHERE DISCOVERIES BEGIN

NSF Regional Grants Conference Crosscutting Programs

October 17-18, 2011

Hosted by: The University of Texas at Austin • Austin, TX



National Science Foundation
WHERE DISCOVERIES BEGIN

Panelists

Thomas Baerwald

Senior Science Advisor; Directorate for Social, Behavioral, and Economic Sciences, Division of Behavioral and Cognitive Sciences

David Hanych

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

Theresa Maldonado

Division Director, Directorate for Engineering, Division of Engineering Education & Centers

Stephen Meacham

Division Director, Directorate for Engineering, Division of Engineering Education & Centers



Topics Covered

- ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers
 - Ethics Education in Science and Engineering (EASE)
 - Innovation Corps Program (I-Corps)
 - Integrative Graduate Education & Research Traineeship Program (IGERT)
 - Grant Opportunities for Academic Liaison with Industry (GOALI)
 - Major Research Instrumentation (MRI)
 - Research Coordination Networks (RCN)
 - Research Experiences for Undergraduates (REU)
 - Research in Undergraduate Institutions (RUI)
 - Science, Engineering and Education for Sustainability NSF-Wide Investment (SEES)
 - Sustainability Research Networks Competition (SRN)
-



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	



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

The screenshot shows the NSF website's page for the ADVANCE program. The header includes the NSF logo and navigation links like HOME, FUNDING, AWARDS, etc. The main content area features a search bar, a 'Funding' sidebar with links like 'Find Funding' and 'A-Z Index of Funding Opportunities', and a central section titled 'ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE)'. Below this title is a table of contacts and a section for program guidelines.

Name	Email	Phone	Room
Kelly Mack	kmack@nsf.gov	(703) 292-8575	815
Amy Rogers	arogers@nsf.gov	(703) 292-5178	815
Patricia Simms	psimms@nsf.gov	(703) 292-7869	815
J.T. Clark	jtclark@nsf.gov	(703) 292-8219	815

PROGRAM GUIDELINES
Solicitation [10-593](#)
DUE DATES
Letter of Intent Deadline Date: October 3, 2011
Institutional Transformation (IT) and Institutional Transformation Catalyst (IT-Catalyst)
Full Proposal Deadline Date: November 7, 2011
Institutional Transformation (IT) and Institutional Transformation Catalyst (IT-Catalyst)

- **Contact:**

- Kelly Mack: (703) 292-8575;
kmack@nsf.gov
- Amy Rogers: (703) 292-5178;
arogers@nsf.gov
- Patricia Simms: (703) 292-7869;
psimms@nsf.gov
- J.T. Clark: (703) 292-8219;
jtclark@nsf.gov

- **Deadline:**

- For full proposal:
November 7, 2011 (IT & IT-Catalyst)

- **Current solicitation number:**
10-593



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

- **Program Goal:**
 - To increase the representation and advancement of women in academic science and engineering careers.
 - Both men and women may submit proposals to this program.
 - **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.
 - **Eligibility Information:** Proposers may submit only one Institutional Transformation proposal or one IT-Catalyst proposal. There is no limit to the number of PAID proposals that can be submitted.
-



National Science Foundation
WHERE DISCOVERIES BEGIN

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

PROGRAM SOLICITATION

NSF 10-593

REPLACES DOCUMENT(S):
NSF 09-504



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

Estimated Number of Awards: 23

Anticipated Funding Amount: \$12.2 million



Ethics Education in Science & Engineering (EESE)

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](#)

Crosscutting

Ethics Education in Science and Engineering (EESE)

CONTACTS

Name	Dir/Div	Name	Dir/Div
Kelly Joyce	SBE/SES	Myles Boylan	EHR/DUE
Tom Carruthers	MPS/PHY	Ephraim Glinert	CISE/IIS
Jill Karsten	GEO/OAD	Susan C. Kemnitzer	ENG/EEC
Carter Kimsey	BIO/DBI	Marshall M. Lih	ENG/CBET
Vanessa Richardson	OD/OISE	Carol F. Stael	EHR/DGE

PROGRAM GUIDELINES

Solicitation [11-514](#)

DUE DATES

Full Proposal Deadline Date: March 14, 2011

SYNOPSIS

The Ethics Education in Science and Engineering (EESE) program funds research and educational projects that improve ethics education in all fields of science and

- Contact disciplines for deadlines and contact information.
- Deadlines:
March 1, 2012 &
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**



Innovation Corps Program (I-Corps)

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

CONTACTS

Name	Dir/Div	Name	Dir/Div
Errol Arkilic		Rathindra DasGupta	
Richard Voyles			

PROGRAM GUIDELINES

Solicitation [11-560](#)

DUE DATES

- Full Proposal Window: October 1, 2011 - December 15, 2011
October 1 - December 15, Annually Thereafter
- Full Proposal Window: January 1, 2012 - March 15, 2012
January 1 - March 15, Annually Thereafter
- Full Proposal Window: April 1, 2012 - June 15, 2012
April 1 - June 15, Annually Thereafter
- Full Proposal Window: July 1, 2012 - September 15, 2012
July 1 - September 15, Annually Thereafter
- Full Proposal Window: October 1, 2012 - December 15, 2012
October 1 - December 15, Annually Thereafter

PI(s) *must* contact one of the cognizant I-Corps program officers and receive prior written authorization to submit a proposal. PI(s) are *strongly encouraged* to discuss the commercial readiness of their effort with a Topic-specific program officer prior to contacting a cognizant I-Corps program officer. This will facilitate determining whether the proposed work is appropriate for I-Corps funding.

SYNOPSIS

- **Contact:**
 - Errol Arkilic: (703) 292-8095; earkilic@nsf.gov
 - Richard Voyles: (703) 292-4541; rvoyles@nsf.gov
- **Submission Windows:**
 - Oct 1, 2011 – Dec 15, 2011
 - Jan 1, 2012 – Mar 15, 2012
 - Apr 1, 2012 – June 15, 2012
 - July 1, 2012 – Sep 15, 2012
 - Oct 1, 2012 – Dec 15, 2012
- **Current solicitation number:**
11-560



Innovation Corps Program (I-Corps)

- **Identify NSF-funded researchers who will receive additional support - in the form of mentoring and funding - to accelerate innovation that can attract subsequent third-party funding.**
 - **The I-Corps award provides the project team access to resources to help determine the readiness to transition technology developed by previously-funded or currently-funded NSF projects.**
-



Innovation Corps Program (I-Corps)

- **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.**
 - **I-Corps webinars are held on the first Tuesday of every month.**
-



Innovation Corps Program (I-Corps)

Innovation Corps Program (I-Corps)

PROGRAM SOLICITATION

NSF 11-560



National Science Foundation

Directorate for Engineering
Industrial Innovation and Partnerships

Office of Cyberinfrastructure

Directorate for Mathematical & Physical Sciences

Directorate for Social, Behavioral & Economic Sciences

Directorate for Computer & Information Science & Engineering

Directorate for Geosciences

Directorate for Biological Sciences

Directorate for Education & Human Resources

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

August 17, 2011 - September 09, 2011

October 01, 2011 - December 15, 2011
October 1 - December 15, Annually Thereafter

January 01, 2012 - March 15, 2012
January 1 - March 15, Annually Thereafter

April 01, 2012 - June 15, 2012

**Estimated Number
of Awards: 100 in
FY 2012**

**Anticipated
Funding Amount in
FY 2012: \$5 million**



Innovation Corps Program (I-Corps)

- **Eligibility Information:**
 - **Proposals may only be submitted by:**
 - **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.**
 - **Other Federal Agencies and Federally Funded Research and Development Centers (FFRDCs): Contact the appropriate program before preparing a proposal for submission.**
 - **A PI is limited to one I-Corps proposal during each submission window.**
-



Integrative Graduate Education and Research Traineeship (IGERT)

NSF-wide
Integrative Graduate Education and Research Traineeship Program (IGERT)

CONTACTS

Name	Email	Phone	Room
Melur K. Ramasubramanian	igert@nsf.gov	(703) 292-8696	875
Carol F. Stoel	igert@nsf.gov	(703) 292-8696	875
Richard Boone	igert@nsf.gov	(703) 292-8696	875
David Pietrocola	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](#)

DUE DATES

Letter of Intent Deadline Date: May 1, 2012
Full Proposal Deadline Date: July 2, 2012

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

- 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



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)

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.
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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 features a navigation menu with options like Home, Funding, Awards, Discoveries, News, Publications, Statistics, About, and FastLane. A search bar is located in the top right corner. The main content area includes a 'Funding' sidebar with links to '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 title 'Grant Opportunities for Academic Liaison with Industry (GOALI)' and a 'CONTACTS' table. The table lists the names, email addresses, phone numbers, and room numbers of the program's staff members. Below the table, there are sections for 'PROGRAM GUIDELINES' and 'DUE DATES'.

Name	Email	Phone	Room
Donald Senich	dsenich@nsf.gov	(703) 292-7082	550 S
Morris L. Aizenman	maizenma@nsf.gov	(703) 292-8807	
William S. Bainbridge	wbainbri@nsf.gov	(703) 292-8930	
John Cherniavsky	jchernia@nsf.gov	(703) 292-5136	855S
Leonard E. Johnson	leiohnso@nsf.gov	(703) 292-8559	
Graham M. Harrison	gharrison@nsf.gov	(703) 292-7252	
Jacqueline Meszaros	jmeszaro@nsf.gov	(703) 292-7261	980.12
Diane Jofuku Okamura	dokamuro@nsf.gov	(703) 292-4400	
Sonia Ortega	sorteqa@nsf.gov	(703) 292-8697	

- Contact disciplines for deadlines and contact information.
- Current solicitation number: 10-580



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 10-580

REPLACES DOCUMENT(S):
NSF 09-516



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 Dates Vary by Program

Please discuss with the appropriate disciplinary program office prior to submitting a request for supplemental funding.

Estimated Number of Awards: 60 to 80

Anticipated Funding Amount: \$5 million from all participating directorates



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.
-



Major Research Instrumentation (MRI)

The screenshot shows the NSF website's 'Major Research Instrumentation Program' page. The page includes a navigation menu with 'Funding' highlighted, a search bar, and a sidebar with links like 'Find Funding' and 'Proposals and Awards'. The main content area features a 'NSF-wide' link, the program title, and sections for 'MRI ANNOUNCEMENTS', 'FREQUENTLY ASKED QUESTIONS POSTED', and 'CONTACTS'. A table lists contact information for Dr. Randy L. Phelps, including his email (mri@nsf.gov) and phone number (703) 292-8040. Below the table, there is a paragraph of text providing additional contact information for the program, including the office address (4201 Wilson Boulevard, Arlington, VA 22230) and website (http://www.nsf.gov/od/oia/programs/mri). The 'PROGRAM GUIDELINES' section mentions solicitation 11-503, and the 'SYNOPSIS' section begins with 'The Major Research Instrumentation Program (MRI) serves to increase access to shared...'.

- **Contact Information:**
 - (703) 292-8040
 - mri@nsf.gov
- **Deadline:**
January 26, 2012
- **Current solicitation number: 11-503**



Major Research Instrumentation (MRI)

- **Program Goals:**

- To support the ***acquisition*** of major state-of-the-art instrumentation, thereby improving access to, and increased use of, modern instrumentation shared by the Nation's scientists, engineers, and graduate and undergraduate students;

OR

- To foster the ***development*** of the next generation of major instrumentation, resulting in new instruments that are more widely used, and/or open up new areas of research and research training;

AND

- To enable academic departments, disciplinary and cross-disciplinary units, and multi-organization collaborations to create well-equipped research environments that ***integrate research with education.***
-



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

**Number of Proposals
Received for FY 2011: 876**

**Estimated Number of FY
2011 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, 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:**
 - **U.S. organizations may submit proposals provided that they are located in the U.S., its territories, and possessions. Specifically:**
 - **Colleges, universities, and institutions of higher education**
 - **Independent research museums and science centers**
 - **Independent nonprofit research organizations**
 - **Consortia of eligible organizations**
 - **Small businesses**
 - May act as private sector partners with submitting organizations
 - May not submit proposals as a lead organization
-



Major Research Instrumentation (MRI)

- **The Basics – Cost Sharing:**
 - **The America COMPETES Act of 2007 directed NSF to require cost-sharing in the MRI Program (this requirement remains in effect)**
 - **Ph.D. granting and non-degree granting institutions: 30% cost-sharing required on all proposals**
 - **Non-Ph.D. granting institutions: no cost-sharing required**
 - **More detailed format and supplemental documentation requirements**
-



Research Coordination Networks (RCN)

The screenshot shows the NSF website's 'Research Coordination Networks (RCN)' page. The main content area includes a section for 'Proposal Classification Form - RCN UBE Tracks' with instructions for proposers. Below this, there are sections for 'CONTACTS' (with a link to http://www.nsf.gov/bio/ef/rcn_sees_contacts_2011.htm), 'PROGRAM GUIDELINES', and 'DUE DATES'. The 'DUE DATES' section lists two deadlines: 'Full Proposal Deadline Date: February 3, 2012 RCN SEES Track' and 'Full Proposal Deadline Date: June 15, 2012 RCN UBE and UBE Tracks Track'.

- 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 3, 2012
 - RCN UBE and UBE Incubator: June 15, 2012
- Current solicitation number:
11-531



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.**
-



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 June 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 October 22 in 2009, and the fourth Wednesday in August in 2010 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 [09-598](#)

DUE DATES

Full Proposal Deadline Date: June 1, 2012
Deadline for REU Site proposals requiring access to Antarctica. All other REU Site proposals must be submitted to the August REU deadline.
First Friday in June, Annually Thereafter

Full Proposal Deadline Date: August 22, 2012
Deadline for REU Site proposals except for those requiring access to Antarctica
Fourth Wednesday in August, Annually Thereafter

SYNOPSIS

The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU

- **Contact Information:**
http://www.nsf.gov/crssprgm/reu/reu_contacts.jsp
- **Deadlines:**
 - Full proposal for REU Sites (non-Antarctic):
August 22, 2012
 - Full proposal for REU Sites (Antarctic):
June 1, 2012
 - REU Supplements:
Contact individual discipline
- **Current solicitation number: 09-598**



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 Experiences for Undergraduates (REU)

Research Experiences for Undergraduates (REU)
Sites and Supplements

PROGRAM SOLICITATION
NSF 09-598

REPLACES DOCUMENT(S):
NSF 07-569

 **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):
Deadline for REU Site proposals except those requiring access to Antarctica:
October 22, 2009

- 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: 1,800 to 1,850**
 - Estimate includes approximately 170 new site awards and 1,650 new supplement awards.
- **Anticipated Funding Amount: \$67.7 million in FY 2010**
 - Estimate includes both sites and supplements.



Research in Undergraduate Institutions (RUI)

Funding

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[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](#)

SEARCH
NSF Web Site

HOME | FUNDING | AWARDS | DISCOVERIES | NEWS | PUBLICATIONS | STATISTICS | ABOUT | FastLane

Email Print Share

[Crosscutting/NSF-wide](#)

Research in Undergraduate Institutions (RUI)

CONTACTS

Name	Dir/Div	Name	Dir/Div
Robert (Scott) Fisher	MPS/AST	Henry N. Blount	OIA/EPSCoR
Harriet G. Taylor	CISE/CNS	Richard J. Fraagazy	ENG/EFRI
Jill L. Karsten	GEO/OAD	Michael Mishkind	BIO/IOS
Julie M. Palais	OD/OPP		

PROGRAM GUIDELINES

Announcement [00-144](#)

DUE DATES

Full Proposal Accepted Anytime

Many NSF programs have deadlines or target dates to allow time for consideration by review panels that meet periodically. Proposals must be submitted by the investigator's home institution in accordance with the target dates or deadlines, if any, of the NSF disciplinary program in the proposed research area. To confirm a date, refer to the program's page on the NSF Web site (<http://www.nsf.gov/>) or to the NSF E-Bulletin, at <http://www.nsf.gov/home/ebulletin/>. Inquiries about deadlines may be made also to the appropriate research program officer. Such inquiries are especially important for shared-use instrumentation proposals, which are sometimes funded cooperatively by two or more programs, depending upon the disciplinary mix of the users. Some programs require the submission of preliminary proposals prior to the submission of full proposals, with due dates posted on program Web sites and in the NSF E-Bulletin.

- Contact discipline for deadlines and contact information.
- Current solicitation number: 00-144



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.
-



Science, Engineering and Education for Sustainability (SEES)

The screenshot shows the NSF ERE website page for SEES. The top navigation bar includes links for HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT, and FastLane. The main header features the NSF logo and the text "National Science Foundation Environmental Research & Education (ERE)". A search bar is present with "NSF Web Site" selected. Below the header, there are tabs for ERE Home, ERE Funding, ERE Awards, ERE Discoveries, ERE News, and About ERE. The main content area is titled "Science, Engineering and Education for Sustainability (SEES) NSF-Wide Investment". It contains a paragraph describing the SEES investment area, a sidebar with links to SEES News & Updates, SEES News Releases, SEES FY 2011 Activities, SEES FY 2010 Activities, and SEES Portfolio & Highlights, and a circular image showing various sustainability-related scenes.

- **Contact Information:**
 - (703) 292-8710
 - jrobin@nsf.gov
- **Dear Colleague Letters:**
10-040 & 11-022
- **FAQs: 11-039**
- **5-year investment area:**
new and existing activities

<http://www.nsf.gov/sees/>



Science, Engineering and Education for Sustainability (SEES)

Program Goals:

- To address challenges in climate and energy research and education using a systems-based approach to understanding, predicting, and reacting to change in the linked natural, social, and built environment.
 - To support research that facilitates global community sustainability, specifically through building connections between current projects, creating new nodes of activity, and developing personnel needed to solve sustainability issues.
 - To contribute to sustainable energy research in science and engineering, and its socioeconomic and environmental implications.
-



Science, Engineering and Education for Sustainability (SEES)

FY10: (Dear Colleague Letter - NSF 10-040)

- Water Sustainability and Climate (WSC) (NSF 10-524)
- Ocean Acidification (OA) (NSF 10-530)
- Climate Change Education Partnership (CCEP) (NSF 10-542)
- Decadal and Regional Climate Prediction Using Earth System Models (EaSM) (NSF 10-554)
- Dimensions of Biodiversity (NSF 10-548)

FY11: (Dear Colleague Letter - NSF 11-022)

sustainable energy: novel energy storage ;ecosystem impacts of energy technologies; improving the efficiency and yield of energy systems; novel energy sources, e.g. biofuels, ocean/kinetic power; energy-intelligent performance in computer and network systems; energy efficiency in manufacturing and materials.

climate change: interactions between the climate, human and natural systems; feedbacks in the climate and carbon cycles; impacts of ice-sheet dynamics on climate and sea level rise; regional climate variation and causes; risk-based approaches to decision-making; adaptive and mitigating strategies; effects of behavioral changes on energy consumption and climate.



National Science Foundation
WHERE DISCOVERIES BEGIN

SEES – Recent funding opportunities

[Sustainable Energy Pathways](#) (NSF 11-590)

Deadline: February 1, 2012

[Sustainability Research Networks](#) (NSF 11-574)

Preliminary Proposal Deadline: December 1, 2011

Full Proposal Deadline: April 1, 2012

[Science, Engineering and Education for Sustainability Fellows \(SEES Fellows\)](#) (NSF 11-575)

Deadline: December 5, 2011

[Water, Sustainability and Climate](#) (NSF 11-551)

Deadline: October 19, 2011

[Dynamics of Coupled Natural and Human Systems](#) (NSF 11-612)

Deadline: November 15, 2011

[Partnerships for International Research and Education \(PIRE\)](#) (NSF 11-025 & 11-564)

Preliminary Proposal Deadline: October 19, 2011

Full Proposal Deadline: May 15, 2012

[Research Coordination Networks \(RCN\)](#) (NSF 11-531)

Deadlines (SEES Track): May 24, 2011; February 3, 2012

+ [Dimensions of Biodiversity](#) (NSF 11-518), [Ocean Acidification](#) (NSF 10-530), [Climate Change Education Partnerships](#) (NSF 10-542), [Regional & Decadal Earth System Modeling](#) (NSF 10-554)



SEES – FY 2012

- Sustainability Research Networks
 - SEES Fellows
 - Sustainable Energy Pathways
 - *PIRE – SEES projects*
 - *RCN – SEES track*
 - *CNH – SEES projects*
 - *Climate-related competitions continue*
-



Sustainability Research Networks Competition (SRN)

Funding

Sustainability Research Networks Competition (SRN)

CONTACTS

Name	Dir/Div	Name	Dir/Div
Sarah L. Ruth	GEO/AGS	Bruce K. Hamilton	ENG/EFRI
Alan J. Tessier	BIO/DEB	Krishna Kant	CISE/CNS
Alphonse T. DeSena	EHR/DRL	Henry A. Warchall	MPS/DMS
David McGinnis	SBE/BCS	Carleen F. Maitland	OD/OISE
Anna M. Kerttula de Echave	OD/OPP		

Questions regarding the Sustainability Research Network solicitation should be sent to SRN@NSF.GOV.

PROGRAM GUIDELINES

Solicitation [11-574](#)

DUE DATES

Preliminary Proposal Deadline Date: December 1, 2011

Full Proposal Deadline Date: April 1, 2012

SYNOPSIS

Sustainability Research Networks will engage and explore fundamental theoretical issues and empirical questions in sustainability science, engineering, and education that will increase our understanding of the ultimate sustainability challenge - maintaining and improving the quality of life for the nation within a healthy Earth system. The goal of the

- Preliminary Proposal Deadline: December 1, 2011
- Full Proposal Deadline: April 1, 2012
- Current solicitation number: 11-574



Sustainability Research Networks Competition (SRN)

- **Supports the development and coalescence of integrated research enterprises that will achieve trans-disciplinary knowledge built around pressing societal needs in sustainability.**
 - **Research will cross the boundaries of climate, energy, and environmental sciences, as well as physical and computational sciences, social and behavioral sciences, and educational sciences.**
 - **The fundamental goal of this research is to inform societal actions for future environmental, economic, social and cultural sustainability.**
-



Sustainability Research Networks Competition (SRN)

Sustainability Research Networks Competition (SRN)

PROGRAM SOLICITATION

NSF 11-574



National Science Foundation

Directorate for Engineering

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Directorate for Education & Human Resources

Directorate for Geosciences

Directorate for Mathematical & Physical Sciences

Directorate for Social, Behavioral & Economic Sciences

Office of International Science and Engineering

Office of Polar Programs

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

December 01, 2011

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

April 01, 2012

**Estimated Number of
Awards: 3 to 4**

**Anticipated Funding
Amount: \$36 million**

**SRN awards are
expected to be 4 to 5
years in duration and
budgets may not
exceed \$12 million total
per award**



For More Information

ADVANCE - Program Page:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383

Recent, Active Awards:

<http://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>

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

Recent, Active Awards:

http://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

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

Recent, Active Awards:

http://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=&ProgOfficer=&ProgEleCode=1328,1335&BooleanElement=true&ProgRefCode=&BooleanRef=true&ProgProgram=&ProgFoaCode=&RestrictActive=on&Search=Search#results



For More Information

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

Recent, Active Awards: Not yet available

GOALI - Program Page: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13706

Recent, Active Awards:

http://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

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

Recent, Active Awards:

http://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=&ProgOfficer=&ProgEleCode=1189&BooleanElement=true&ProgRefCode=&BooleanRef=true&ProgProgram=&ProgFoaCode=&RestrictActive=on&Search=Search#results

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

Recent, Active Awards:

http://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



For More Information

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

Recent, Active Awards:

http://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: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5518

Recent, Active Awards:

http://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

SRN - Program Page: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503645

Recent, Active Awards: Not yet available



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)
