



NSF Regional Grants Conference Crosscutting Programs

October 25-26, 2010

Hosted by: Utah State University and The University of Utah
Salt Lake City, UT

Panelists

Dragana Brzakovic

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

Tracy Kimbrel

Program Director, Directorate for Computer & Information Science & Engineering, Division of Computing & Communication Foundations

Jolene Jesse

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

Judith Verbeke

Acting Division Director, Directorate for Biological Sciences, Division of Biological Infrastructure

Topics Covered

- **Find Funding for Crosscutting Programs**
- **Programs for Specific Groups/Purpose**
 - ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers
 - NSF Graduate Teaching Fellows in K-12 Education (GK-12)
 - Integrative Graduate Education & Research Traineeship Program (IGERT)
 - Cyber-Enabled Discovery & Innovation (CDI)
 - 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)
- **Conclusion**

Find Funding for Crosscutting Programs

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

The screenshot shows the NSF website's funding page. At the top left is the NSF logo with the tagline "WHERE DISCOVERIES BEGIN". To the right is a search bar with "NSF Web Site" entered. Below the logo is a navigation menu with links: HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT, and FastLane. The main content area is titled "Crosscutting and NSF-wide Active Funding Opportunities". Below the title is a paragraph explaining that the site provides program information for activities sponsored by more than one NSF organization and that proposals should be submitted to the relevant program officer. There are filters for "Org: Crosscutting and NSF-wide" and "Status: Active". Below the filters is a checkbox for "Get Crosscutting Program Annncmts & Info Updates by Email" with an RSS icon. The page is sorted by Title. A key indicates that orange squares represent Crosscutting, green squares represent NSF-wide, and red squares represent Grants.gov submission required. A table lists funding opportunities with columns for Title, Program Guidelines, and Due Dates. The first entry is "Academic Research Infrastructure Program: Recovery and Reinvestment (ARI-R*)" with a due date of "09-562".

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: 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-R*)	09-562	

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

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-wide

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

ADVANCE Program Information
Additional information about this NSF-wide program including information about ADVANCE awards, ADVANCE Implementation Committee members, and products, tools, and resources can be found [here](#).

CONTACTS

Name	Email	Phone	Room
Kelly Mack	kmack@nsf.gov	(703) 292-8575	815
Patricia Simms	psimms@nsf.gov	(703)292-7869	815

PROGRAM GUIDELINES

Solicitation [10-593](#)

Please be advised that the NSF Proposal & Award Policies & Procedures Guide (PAPPG) includes guidelines implementing the mentoring provisions of the America COMPETES Act (ACA) (Pub. L. No. 110-69, Aug. 9, 2007.) As specified in the ACA, each proposal that requests funding to support postdoctoral researchers must include a description of the mentoring activities that will be provided for such individuals. Proposals that do not comply with this requirement will be returned without review (see the PAPP Guide Part I: Grant Proposal Guide Chapter II for further information about the implementation of this requirement).

DUE DATES

Letter of Intent Deadline Date: October 4, 2010
Partnerships for Adaptation, Implementation and Dissemination

- **Contact:**
 - Kelly Mack: (703) 292-8575; kmack@nsf.gov
 - Patricia Simms: (703) 292-7869; psimms@nsf.gov
- **Deadlines:**
 - For Letters of Intent: October 3, 2010 (IT & IT-Catalyst) & October 4, 2010 (PAID)
 - For full proposal: November 7, 2010 (IT & IT-Catalyst) & November 8, 2010 (PAID)
- **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 2009-2010**
 - 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 limitation the number of PAID proposals that can be submitted.

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

NSF Graduate STEM Fellows in K-12 Education (GK-12)

NSF GRADUATE STEM FELLOWS IN K-12 EDUCATION (GK-12)

Name	Dir/Div	Name	Dir/Div
Sonia Ortega		Richard McCourt	EHR/DGE

Members of the NSF-wide GK-12 Committee represent their respective NSF organizations. They contribute funds as well as intellectual and labor capital to the program. In addition to the GK-12 staff, members of the GK-12 committee are:

- o Renee D. Crain, Office of Polar Programs
- o Fahmida N. Chowdhury, Directorate for Social, Behavioral and Economic Sciences
- o Dean Evasius, Directorate for Mathematics and Physical Sciences
- o Daniel Mook, Office of International Science and Engineering
- o Sally E. O'Connor, Directorate for Biological Sciences
- o Celestine H. Pea, Directorate for Education and Human Resources
- o Mary F. Poats, Directorate for Engineering
- o Elizabeth L. Rom, Directorate for Geosciences
- o Uma Venkateswaran, Office of Experimental Programs to Stimulate Competitive Research (EPSCoR)
- o Maria Zemankova, Directorate for Computer and Information Sciences and Engineering

General inquiries regarding this program should be made to the GK-12 staff at gk-12@nsf.gov.

- **Contacts:**
 - **Sonia Ortega (EHR):**
(703) 292-8697;
sortega@nsf.gov
- **Deadlines:**
 - **Letter of Intent:**
April 20, 2010
 - **Full proposal:**
June 3, 2010
- **Current solicitation number: 09-549**

NSF Graduate STEM Fellows in K-12 Education (GK-12)

- **Program Goals:**
 - To provide funding to graduate students in NSF-supported science, technology, engineering, and mathematics (STEM) disciplines to acquire additional skills that will broadly prepare them for professional and scientific careers in the 21st century.
 - To improve communication, teaching, and team building skills for the fellows; professional development opportunities for K-12 teachers; enrich learning for K-12 students; and strengthen partnerships between institutions of higher education and local school districts.

NSF Graduate STEM Fellows in K-12 Education (GK-12)

NSF GRADUATE STEM FELLOWS IN K-12 EDUCATION (GK-12)

PROGRAM SOLICITATION
NSF 09-549

REPLACES DOCUMENT(S):
NSF 08-556



National Science Foundation

Directorate for Education & Human Resources
Division of Graduate Education

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 Polar Programs

Office of International Science and Engineering

Office of Cyberinfrastructure

**Estimated Number
of Awards: 20 to 25**

**Anticipated
Funding Amount:
\$15 million**

NSF Graduate STEM Fellows in K-12 Education (GK-12)

- **Eligibility Information:**

- Only academic institutions in the U.S. and its territories that grant masters or doctoral degrees in STEM disciplines supported by NSF may submit proposals.
- The PI must be a faculty member in a STEM discipline at the lead institution.
- One proposal allowed per institution (new or continuing) for any one competition.

Integrative Graduate Education and Research Traineeship (IGERT)

National Science Foundation
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Funding

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

Presentation on IGERT Proposal Preparation
Watch a streaming [video](#) presentation by IGERT program officers discussing the proposal preparation process.

CONTACTS

Name	Email	Phone	Room
Melur K. Ramasubramanian	mramasub@nsf.gov	(703) 292-5089	875
Carol Van Hartesveldt	cvanhart@nsf.gov	703-292-8112	875

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

PROGRAM GUIDELINES
Solicitation [10-523](#)

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 who will pursue careers in research and education, with the interdisciplinary backgrounds, deep knowledge in chosen disciplines, and technical, professional, and personal skills to become, in their own careers, leaders and creative agents for change. The program is intended to catalyze a cultural change in graduate education, for students, faculty, and institutions, by establishing innovative 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.

- **Coordinating Committee members are listed at:**
<http://www.nsf.gov/crssprgm/igert/cc.jsp>
- **Deadlines:**
 - For preliminary proposal:
March 29, 2010
 - For full proposal (invitation only):
September 30, 2010
- **Solicitation number:**
10-523

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 become leaders and creative agents for change.
- 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
10-523

REPLACES DOCUMENT(S):
[NSF 09-519](#)



National Science Foundation

Directorate for Education & Human Resources
Division of Graduate Education

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Office of Cyberinfrastructure

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

**Estimated Number
of Awards: 18**

**Anticipated
Funding Amount:
\$10.8 million**

Integrative Graduate Education and Research Traineeship (IGERT)

- **Eligibility Information:**
 - The PI must be on the faculty of the submitting institution.
 - There is a limit of four preliminary proposals that may be submitted by an institution either as a single institution or as a lead institution in a multi-institution preliminary proposal.
 - There is no limit on the number of full proposals that may be invited per institution from the preliminary proposal panels.

Cyber-Enabled Discovery & Innovation (CDI)

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Funding

NSF-wide
Cyber-Enabled Discovery and Innovation (CDI)

CONTACTS

Name	Email	Phone	Room
Eduardo Misawa	cdi@nsf.gov	(703) 292-8080	
Thomas Russell	cdi@nsf.gov	(703) 292-8080	
Kenneth Whang	cdi@nsf.gov	(703) 292-8080	

Drs. Misawa, Russell, and Whang are being assisted by a multidisciplinary team of Program Officers drawn from throughout NSF. CDI team members include: Kile Baker (GEO/ATM), Beverly Berger (MPS/PHY), Maria Burka (ENG/CBET), William Chang (OD/OISE), John Cherniavsky (EHR/OAD), Fahmida Chowdhury (SBE/OAD), Arlene Garrison (OD/OIA), Ping Ge (EHR/DGE), Anita La Salle (CISE/CNS), Dan Lubin (OD/OPP), Manish Parashar (OD/CCI), David Rockcliffe (BIO/NCB), Nigel Sharp (MPS/AST), Carl Taylor (BIO/DBI), Rita Teutonico (SBE/OAD), Susan Winter (OD/OCI), William Wiseman (OD/OPP), and Eva Zanzerkia (GEO/EAR).

PROGRAM GUIDELINES
Solicitation [10-506](#)

SYNOPSIS

Cyber-Enabled Discovery and Innovation (CDI) is NSF's bold five-year initiative to create *revolutionary* science and engineering research outcomes made possible by innovations and advances in computational thinking. Computational thinking is defined comprehensively to encompass computational concepts, methods, models, algorithms, and tools. Applied in challenging science and engineering research and education contexts, computational thinking promises a profound impact on the Nation's ability to generate and apply new knowledge. Collectively, CDI research outcomes are expected to produce paradigm shifts in our understanding of a wide range of science and engineering phenomena and socio-technical innovations that create new wealth and enhance the national quality of life.

CDI seeks ambitious, transformative, multidisciplinary research proposals within or

- **Contact Information:**
 - (703) 292-8080
 - cdi@nsf.gov
- **Solicitation number:**
10-506

Cyber-Enabled Discovery & Innovation (CDI)

- **Program Information:**
 - Five year program, started in FY 2007
 - Cross-NSF: All directorates participating
- **Program Goals:**
 - To support multi-disciplinary research for advancing more than one field of science or engineering as they become increasingly computational (referring to computational concepts, methods, models, algorithms, tools, as applied to all fields of science/engineering).
 - To produce paradigm shifts in our understanding of science and engineering phenomena and socio-technical innovations.

Cyber-Enabled Discovery & Innovation (CDI)

- **CDI seeks ambitious, transformative, multidisciplinary research proposals within or across the following areas:**
 - **From Data to Knowledge:** Enhancing human cognition and generating new knowledge from a wealth of heterogeneous digital data.
 - **Understanding Complexity in Natural, Built, and Social Systems:** Deriving fundamental insights on systems comprising multiple interacting elements.
 - **Virtual Organizations:** Enhancing discovery and innovation by bringing people and resources together across institutional, geographical and cultural boundaries.

Cyber-Enabled Discovery & Innovation (CDI)

- **Two types of awards will be supported as a result of the FY 2010 CDI competition:**
 - **Type I Awards**: Summer support for two investigators with complementary expertise; two graduate students; and their collective research needs (e.g., materials, supplies, travel) for three years.
 - **Type II Awards**: Summer support for three investigators with complementary expertise; three graduate students; one or two senior personnel (including post-doctoral researchers and staff); and their collective research needs (e.g., materials, supplies, travel) for four years.

Cyber-Enabled Discovery & Innovation (CDI)

- **In subsequent years (FY 2011 and beyond), another type of award will be supported:**
 - **Type III Awards**: Will require larger (than Type II) multidisciplinary teams, roughly comparable to multiple senior investigators with complementary expertise, multiple graduate students, several senior personnel, and their collective research needs (e.g., materials, supplies, travel) for up to five years.

Cyber-Enabled Discovery & Innovation (CDI)

PROGRAM SOLICITATION
NSF 10-506

REPLACES DOCUMENT(S):
NSF 08-604



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 International Science and Engineering

Office of Polar Programs

Estimated Number of Awards: 30

Anticipated Funding Amount: \$36 million

Cyber-Enabled Discovery & Innovation (CDI)

- **Eligibility Information:**

- **Proposals may only be submitted by U.S. organizations.**

Specifically:

- Non-profit, non-academic organizations (i.e., independent museums, observatories, research labs, professional societies) associated with educational or research activities and subject to Grant Proposal Guide (GPG) guidelines.
- Universities and colleges (including two-year, four-year, and community colleges).

Note: An individual may participate as Principal Investigator, co-Principal Investigator, or Senior Personnel in, at most, two full proposals in each annual competition.

Grant Opportunities for Academic Liaison with Industry (GOALI)

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Funding

NSF-wide

Grant Opportunities for Academic Liaison with Industry (GOALI)

CONTACTS

Name	Email	Phone	Room
Donald Senich	dsenich@nsf.gov	(703) 292-7082	550 S
William S. Bainbridge	wbainbrt@nsf.gov	(703) 292-8930	
John Chemiaavsky	ichemis@nsf.gov	(703) 292-5136	855S
Leonard E. Johnson	lejohnso@nsf.gov	(703) 292-8559	
Graham M. Harrison	gharriso@nsf.gov	(703) 292-7252	
Glenn H. Larsen	glarsen@nsf.gov	(703) 292-8050	
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	
Celeste Rohlfing	crohlfm@nsf.gov	(703) 292-4962	1005N

PROGRAM GUIDELINES
Solicitation [10-580](#)

- 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:**

- **Proposals may only be submitted by U.S. institutions of higher education that confer degrees in research areas normally supported by NSF:**
 - **Proposals may only be submitted on behalf of faculty members with full-time appointments.**
 - **Federal laboratories and agencies, national labs, and non-profit organizations are encouraged to participate in three-way collaborations that also include the university and industry.**
 - **For fellowships/traineeships, only U.S. citizens, nationals, or permanent residents are eligible to apply for support under this program.**

Note: Only one proposal to NSF will be accepted per PI per fiscal year for GOALI consideration.

Major Research Instrumentation (MRI)

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National Science Foundation
Office of Integrative Activities (OIA)

SEARCH
NSF Web Site

OIA Home | OIA Funding | OIA Awards | OIA Discoveries | OIA News | About OIA

Office of Integrative Activities (OIA)

Major Research Instrumentation Program

The Major Research Instrumentation Program (MRI) catalyzes new knowledge and discoveries by empowering the Nation's scientists and engineers with state-of-the-art research instrumentation. The MRI Program enables research-intensive learning environments that promote the development of a diverse workforce and next generation instrumentation, as well as facilitates academic/private sector partnerships. Among the goals of the MRI Program are:

- Supporting the acquisition of major state-of-the-art instrumentation, thereby improving access to, and increased use of, modern research and research training instrumentation by a diverse workforce of scientists, engineers, and graduate and undergraduate students;
- Fostering the development of the next generation of instrumentation, resulting in new instruments that are more widely used, and/or open up new areas of research and research training;
- Enabling academic departments, disciplinary and cross-disciplinary units, and multi-organization collaborations to create well-equipped research environments that integrate research with education;
- Supporting the acquisition and development of instrumentation that contributes to, or takes advantage of, existing investments in cyberinfrastructure, while avoiding duplication of services already provisioned by NSF investments;

Promoting substantive and meaningful partnerships for instrument development between

- **Contact Information:**
 - (703) 292-8040
 - mri@nsf.gov

- **Deadline:**
April 21, 2010

- **Solicitation Number:**
10-529

Major Research Instrumentation (MRI)

- **Program Goals:**
 - To increase access to scientific and engineering equipment for research and research training in U.S. institutions of higher education, research museums, and non-profit research organizations.
 - To improve the quality and expand the scope of research and research training in science and engineering, and to foster the integration of research and education by providing instrumentation for research-intensive learning environments.

Major Research Instrumentation (MRI)

Major Research Instrumentation Program:
Instrument Acquisition or Development

PROGRAM SOLICITATION
NSF 10-529

REPLACES DOCUMENT(S):
NSF 09-502



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

**Estimated Number of
Awards: 150**

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

Major Research Instrumentation (MRI)

- **Institutional Submission Limit:**
 - An organization may submit or be included as a subawardee/subcontractor in no more than three proposals.
 - If an organization submits or is included as a partner or subawardee in three proposals, at least one of the three proposals must be for instrument development.

Major Research Instrumentation (MRI)

- **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)

- **Proposal Requirements:**

- **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 page for Research Coordination Networks (RCN). At the top, there is a search bar and a navigation menu with links for HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT, and FastLane. The main content area features a sidebar on the left with various funding-related links. The central text area is titled "Research Coordination Networks (RCN)" and includes a "CONTACTS" section with a link to http://www.nsf.gov/bio/ef/rcn_contacts.htm. Below this, there is a "PROGRAM GUIDELINES" section with a "Solicitation 10-566" heading. A prominent notice states: "Please be advised that the NSF Proposal & Award Policies & Procedures Guide (PAPPG) includes guidelines implementing the mentoring provisions of the America COMPETES Act (ACA) (Pub. L. No. 110-69, Aug. 9, 2007.) As specified in the ACA, each proposal that requests funding to support postdoctoral researchers must include a description of the mentoring activities that will be provided for such individuals. Proposals that do not comply with this requirement will be returned without review (see the PAPP Guide Part I: Grant Proposal Guide Chapter II for further information about the implementation of this requirement)." The "DUE DATES" section specifies: "Full Proposal Accepted Anytime: For general (non-targeted) RCN, due dates will correspond with those of the program receiving the proposal; please refer to the program in question for deadline dates." and "Full Proposal Deadline Date: July 5, 2011: For targeted tracks RCN-PLS, RCN-UBE and RCN-UBE Incubator". A "SYNOPSIS" section follows, stating: "The goal of this program is to advance a field or create new directions in research or education. Innovative ideas for implementing novel networking strategies are especially encouraged. Groups of investigators will be supported to communicate and coordinate their research, training and educational activities across disciplinary, organizational, geographic and international boundaries."

• RCN contact information is available at:

http://www.nsf.gov/bio/ef/rcn_contacts.htm

• **Deadlines:**

– For general (non-targeted) RCN:

Contact individual program for due dates

– For targeted tracks (RCN-PLS, RCN-UBE, and RCN-UBE Incubator):

July 5, 2011

• **Solicitation number: 10-566**

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:**
 - **Undergraduate Biology Education (RCN-UBE):** Focuses on any topic likely to lead to improved participation, learning, or assessment in undergraduate biology curricula.
 - **Physical/Life Science (RCN-PLS):** Focuses on topics at the interface of the biological and either the mathematical or physical sciences.

Research Coordination Networks (RCN)

Research Coordination Networks (RCN)

PROGRAM SOLICITATION
NSF 10-566

REPLACES DOCUMENT(S):
NSF 09-554

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

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

- August 18, 2010
For targeted tracks RCN-PLS, RCN-UBE and RCN-UBE Incubator
- July 05, 2011
For targeted tracks RCN-PLS, RCN-UBE and RCN-UBE Incubator
- July 02, 2012
For targeted tracks RCN-PLS, RCN-UBE and RCN-UBE Incubator

First Monday in July, Annually Thereafter

Estimated Number of Awards: 15 to 35

**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)



- **Contact Information:**
http://www.nsf.gov/crssprgm/reu/reu_contacts.jsp
- **Deadlines:**
 - Full proposal for REU Sites (non-Antarctic):
August 24, 2011
 - Full proposal for REU Sites (Antarctic):
June 3, 2011
 - 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:**

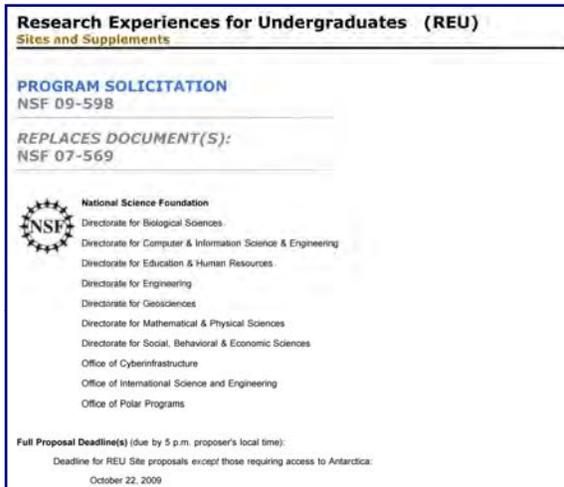
- **Program Goal:**

- 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)



- 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)

Research in Undergraduate Institutions (RUI)

CONTACTS

Name	Dir/Div	Name	Dir/Div
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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.

SYNOPSIS

The Research in Undergraduate Institutions (RUI) activity supports research by faculty members of predominantly undergraduate institutions through the funding of (1) individual and collaborative research projects, (2) the purchase of shared-use research

- 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.

For More Information

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

GK-12: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503369

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

CDI: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503163

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

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

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

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

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

For More Information

Ask Early, Ask Often!

**<http://www.nsf.gov/staff>
<http://www.nsf.gov/staff/orglist.jsp>**