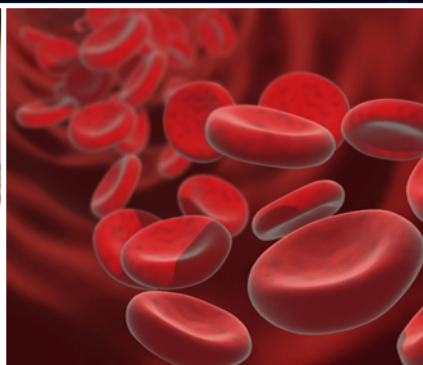




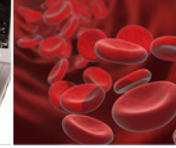
NSF Update

**NCURA Regions VI & VII Spring Meeting
Houston, TX
April 2011**





WHERE DISCOVERIES BEGIN

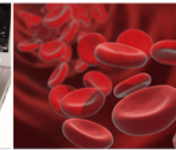


Contact Information

- **Samantha Hunter**
 - **Policy Specialist, Policy Office; Division of Institution & Award Support, BFA**
 - shunter@nsf.gov
 - policy@nsf.gov
 - 703.292.8243



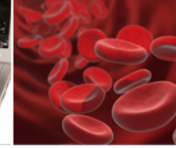
WHERE DISCOVERIES BEGIN



Ask Early, Ask Often!



WHERE DISCOVERIES BEGIN

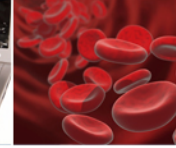


Topics Covered

- **NSF FY 2012 Budget Request**
- **NSF Proposals & Awards & Funding Rates**
- **American Recovery & Reinvestment Act of 2009**
- **Interdisciplinary Research**
- **Transparency & Accountability**
- **Policy Updates**
- **Key Documents**
- **Conclusion**



WHERE DISCOVERIES BEGIN



NSF in a Nutshell

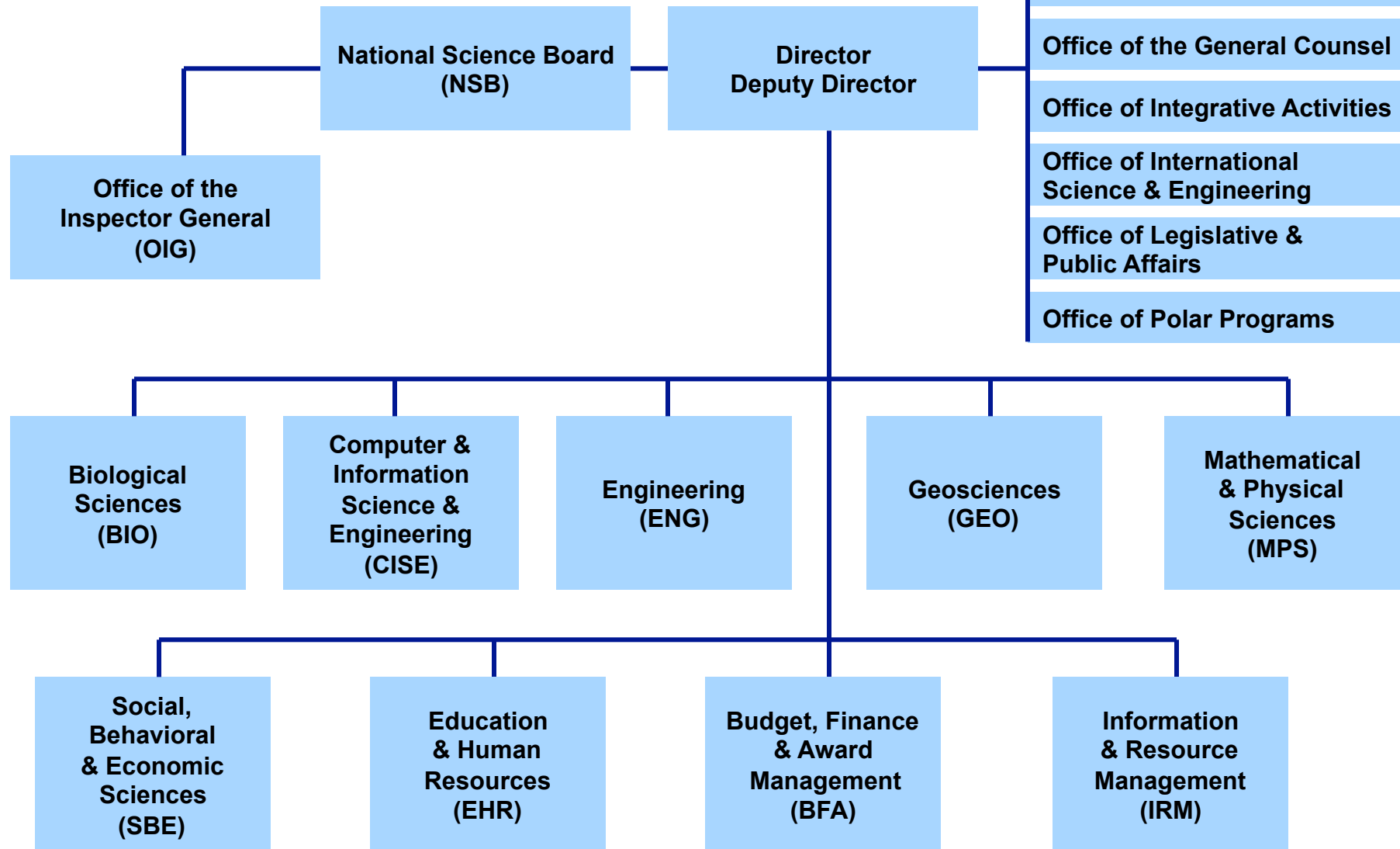
- **Independent Agency**
- **Supports basic research & education**
- **Uses grant mechanism**
- **Low overhead; highly automated**
- **Discipline-based structure**
- **Cross-disciplinary mechanisms**
- **Use of Rotators/IPAs**
- **National Science Board**



WHERE DISCOVERIES BEGIN

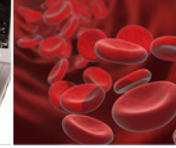


How We're Organized





WHERE DISCOVERIES BEGIN

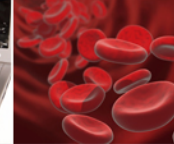


Personnel Changes

- Dr. Subra Suresh confirmed as NSF Director
- Dr. Cora Marrett serving as a Senior Advisor to the NSF Director
- Joan Ferrini-Mundy appointed Assistant Director for Education & Human Resources
- Dr. Machi Dilworth appointed Head, Office of International Science & Engineering
- Dr. Farnam Jahanian appointed Assistant Director for Computer & Information Science & Engineering
- Ms. Amy Northcutt appointed Acting Director of the Office of Information & Resource Management



WHERE DISCOVERIES BEGIN



FY 2011 Appropriations Process

(Dollars in Millions)

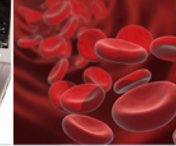
	FY2011			House proposal changes over:			
	FY 2011 Request	FY 2010 Enacted ¹	House Proposal (HR-1)	FY 2011 Request		FY 2010 Enacted	
				Amt	Pct	Amt	Pct
R&RA	\$6,019	\$5,618	\$5,468	-\$551	-9%	-\$150	-3%
EHR	\$892	\$873	\$726	-\$166	-19%	-\$147	-17%
MREFC	\$165	\$117	\$55	-\$110	-67%	-\$62	-53%
AOAM	\$329	\$300	\$300	-\$29	-9%	\$0	0%
NSB	\$5	\$5	\$5	\$0	0%	\$0	0%
OIG	\$14	\$14	\$14	\$0	0%	\$0	0%
Total, NSF	\$7,424	\$6,927	\$6,568	-\$856	-12%	-\$359	-5%

Totals may not add due to rounding

¹ R&RA FY 2011 Request and HR-1 includes US Coast Guard Icebreakers (\$54 M); FY 2010 Enacted R&RA and NSF total also includes US Coast Guard Icebreakers (\$54M), transferred per P.L. 111-117, for comparability.



WHERE DISCOVERIES BEGIN



FY 2012 Request vs. FY 2010 Enacted

(Dollars in Millions)

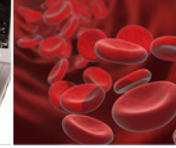
**Difference between
FY 2010 Enacted and
FY 2012 Request**

	FY 2010 Enacted	FY2012 Request	Amount	Percent
R&RA	\$ 5,564	\$ 6,254	\$ 690	12%
EHR	873	911	38	4%
MREFC	117	225	107	92%
AOAM	300	358	58	19%
NSB	5	5	0	7%
OIG	14	15	1	7%
Total, NSF	\$ 6,873	\$ 7,767	\$894	13%

Totals may not add due to rounding



WHERE DISCOVERIES BEGIN



FY 2012 Budget Request

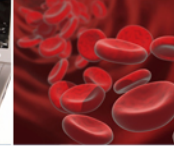
The Three Pillars of Innovation

- Invest in the Building Blocks of American Innovation
- Promote Competitive Markets that Spur Productive Entrepreneurship
- Catalyze Breakthroughs for National Priorities





WHERE DISCOVERIES BEGIN

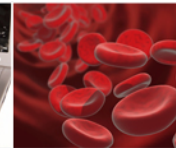


Invest in the Building Blocks of American Innovation

Request	FY 2012 Request
Fundamental Research	R&RA +12% / R&D +16%
Growth in research awards	+ 2,000
Integrated NSF Support Promoting Interdisciplinary Research and Education (INSPIRE)	\$12 M
Science and Engineering Beyond Moore's Law (SEBML)	\$97 M
Research at the Interface of the Biological, Mathematical, and Physical Sciences (BioMaPS)	\$76
Faculty Early Career Development Program (CAREER)	\$222 M
Graduate Research Fellowship Program (GRF)	\$198 M



WHERE DISCOVERIES BEGIN

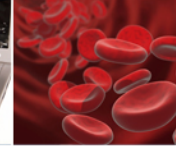


Invest in the Building Blocks of American Innovation

Request	FY 2012 Request
STEM Education Programs	
Community Colleges	\$100 M
Teacher Learning for the Future (TLF)	\$20 M
Transforming Broadening Participation through STEM (TBPS)	\$20 M
Widening Implementation and Demonstration of Evidence-based Reforms (WIDER)	\$20



WHERE DISCOVERIES BEGIN

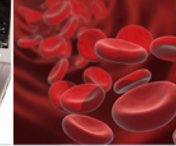


Promote Competitive Markets that Spur Productive Entrepreneurship

Request	FY 2012 Request
Advanced Manufacturing	\$190 M
Enhancing Access to the Radio Spectrum (EARS)	\$15 M
Engineering Research Centers (ERC) and Industry/University Cooperative Research Centers (I/UCRC)	\$96 M
Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR)	\$147 M
Wireless Innovation (WIN) Fund <ul style="list-style-type: none">•\$1 billion over five years (mandatory spending)• \$150 million in FY 2012	



WHERE DISCOVERIES BEGIN

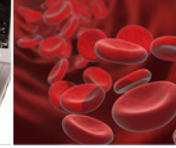


Catalyze Breakthroughs for National Priorities

Request	FY 2012 Request
Cyberinfrastructure Framework for 21 st Century Science and Engineering (CIF21)	\$117 M
Science, Engineering, and Education for Sustainability (SEES)	\$998 M
Clean Energy	\$576 M
National Nanotechnology Signature Initiatives	\$117 M
National Robotics Initiative (NRI)	\$30 M



WHERE DISCOVERIES BEGIN

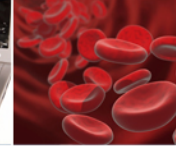


FY 2012 Budget Request: Major Research Equipment and Facilities Construction

- **Advanced Laser Interferometer Gravitational-Wave Observatory (AdvLIGO)**
- **Advanced Technology Solar Telescope (ATST)**
- **Atacama Large Millimeter Array (ALMA)**
- **National Ecological Observatory Network (NEON)**
- **Ocean Observatories Initiative (OOI)**



WHERE DISCOVERIES BEGIN



FY 2012 Budget Request: Terminations & Reductions

- **Terminations:**

- **Deep Underground Science and Engineering Laboratory (DUSEL)**
- **Graduate STEM Fellows in K-12 Education (GK-12)**
- **National STEM Distributed Learning Program (NSDL)**
- **Research Initiation Grants to Broaden Participation in Biology (RIG-B)**
- **Synchrotron Radiation Center (SRC)**

- **Reductions:**

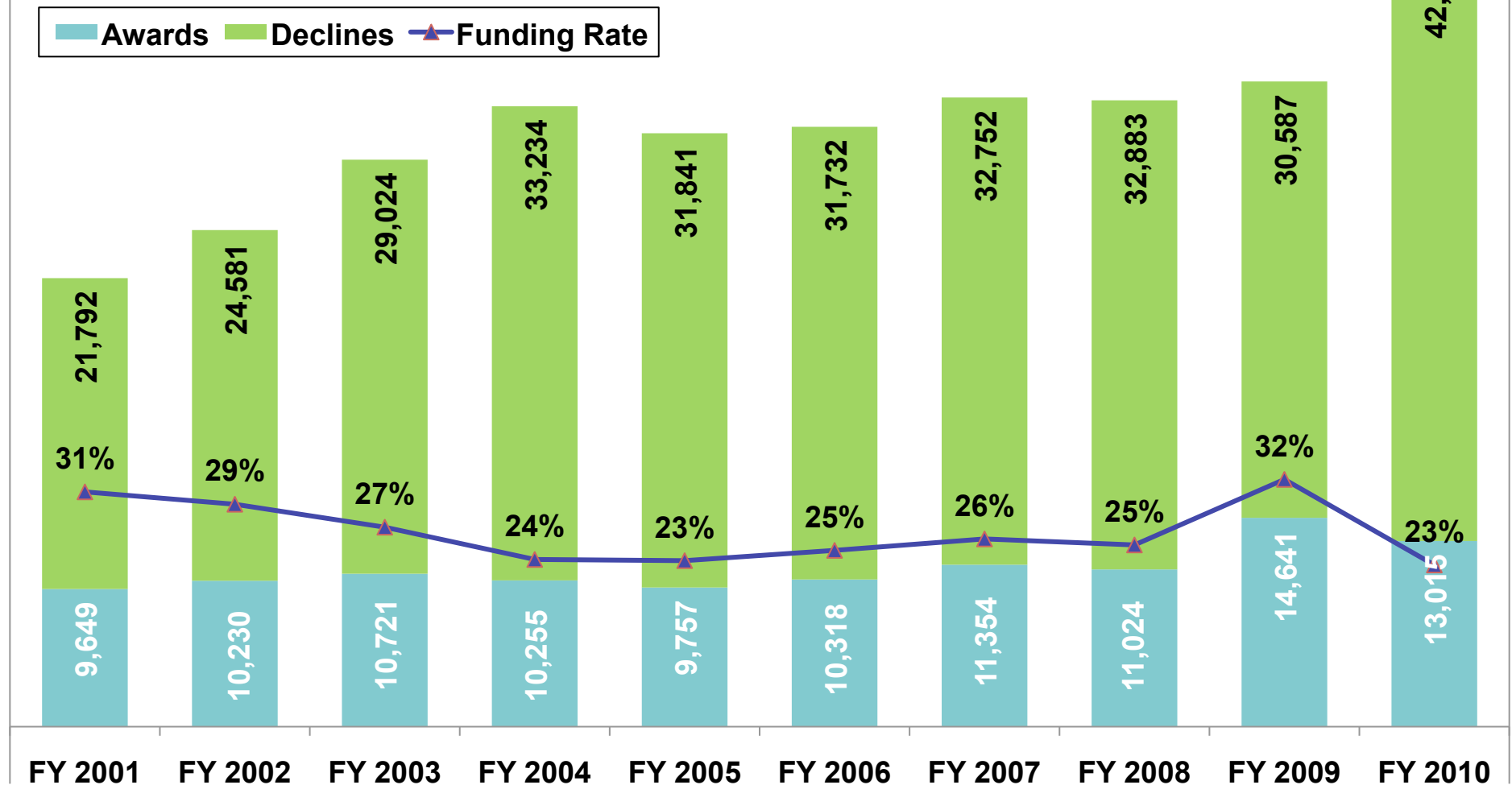
- **Science of Learning Centers (SLC)**



WHERE DISCOVERIES BEGIN



NSF Competitive Awards, Declines & Funding Rates

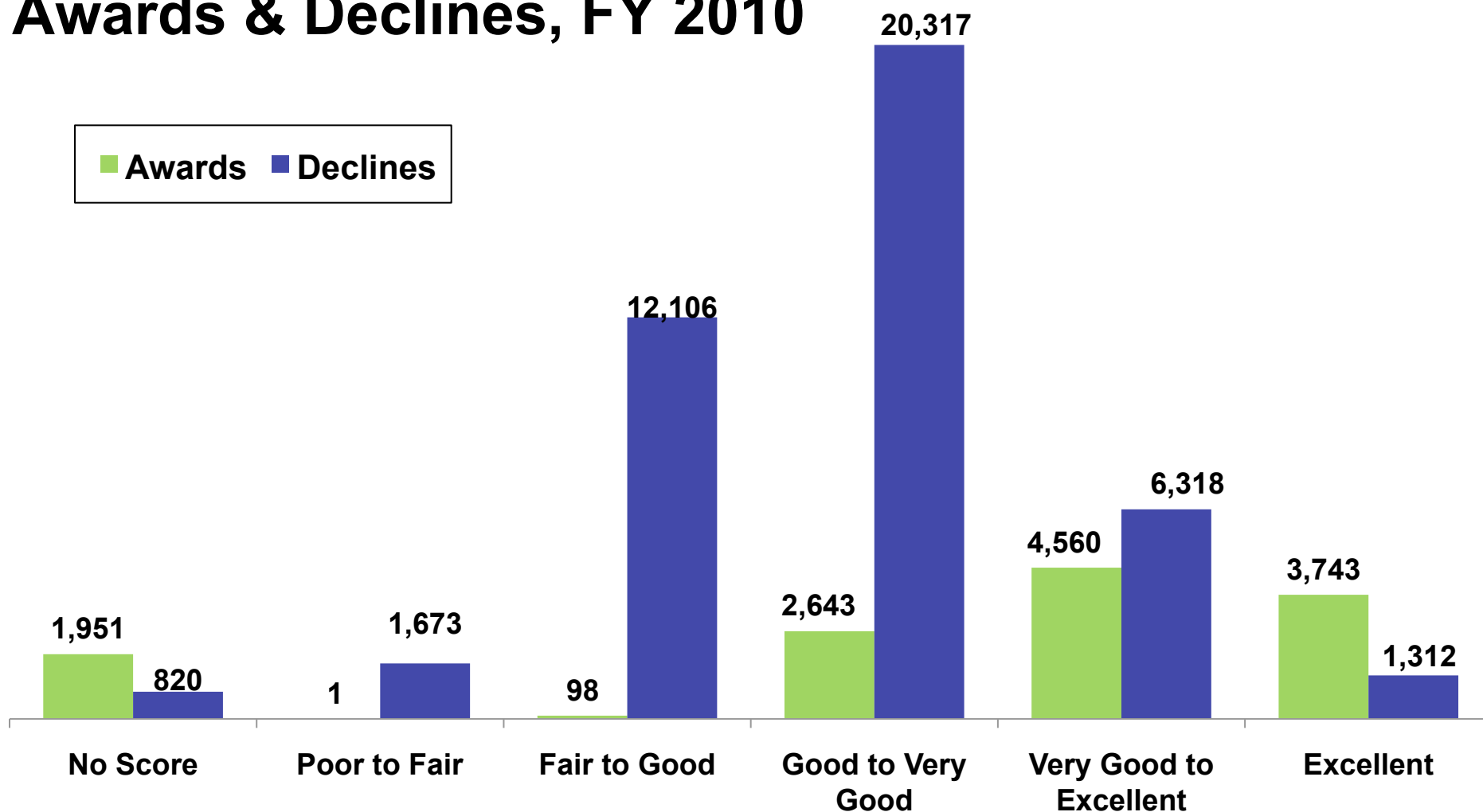




WHERE DISCOVERIES BEGIN



Distribution by Average Reviewer Ratings for Awards & Declines, FY 2010





WHERE DISCOVERIES BEGIN



Interdisciplinary Research (IDR)

- Important research ideas often transcend the scope of a single discipline or program.
- NSF gives high priority to promoting interdisciplinary research and supports it through a number of specific solicitations.
- NSF encourages submission of unsolicited interdisciplinary proposals for ideas that are in novel or emerging areas extending beyond any particular current NSF program.

The screenshot shows the NSF website's 'Interdisciplinary Research' page. At the top is the NSF logo and the tagline 'WHERE DISCOVERIES BEGIN'. Below this is a navigation bar with links: HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT, and FastLane. The main content area is titled 'Interdisciplinary Research' and features a sidebar with a list of links: Introduction, Definition, Sources of Support, Contact Options, Points of Contact, What To Submit, and FAQs. The main text area is titled 'Introduction to Interdisciplinary Research' and contains two paragraphs of text. The first paragraph states that NSF has long recognized the value of interdisciplinary research in pushing fields forward and accelerating scientific discovery. The second paragraph explains that NSF also understands that the integration of research and education through interdisciplinary training prepares a workforce that undertakes scientific challenges in innovative ways. To the right of the text is a large image of a person interacting with a virtual reality wall displaying interactive visualizations of proteins. Below this image is a caption: 'A virtual reality wall displays interactive visualizations of proteins.' and a credit: 'Credit: Jurgen Schulze, UC-San Diego'. At the bottom right is a small image of three people in a lab setting.

NSF National Science Foundation
WHERE DISCOVERIES BEGIN

SEARCH

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

Interdisciplinary Research

Introduction

Definition

Sources of Support

Contact Options

Points of Contact

What To Submit

FAQs

Introduction to Interdisciplinary Research

NSF has long recognized the value of interdisciplinary research in pushing fields forward and accelerating scientific discovery. Important research ideas often transcend the scope of a single discipline or program. NSF also understands that the integration of research and education through interdisciplinary training prepares a workforce that undertakes scientific challenges in innovative ways. Thus, NSF gives high priority to promoting interdisciplinary research and supports it through a number of specific solicitations. NSF also encourages researchers to submit unsolicited interdisciplinary proposals for ideas that are in novel or emerging areas extending beyond any particular current NSF program.

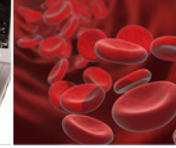
This site is meant to be a guide to the different mechanisms through which NSF promotes and supports interdisciplinary research. Here we provide information on whom to contact for assistance in deciding where and how to submit an interdisciplinary proposal. A primary purpose of this site is to assist investigators in submitting an unsolicited interdisciplinary proposal for which there may not be a natural "home" in one of the existing NSF programs.

A virtual reality wall displays interactive visualizations of proteins.

Credit: Jurgen Schulze, UC-San Diego



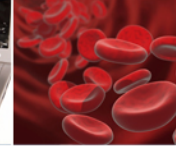
WHERE DISCOVERIES BEGIN



Transparency & Accountability Administration Priorities



WHERE DISCOVERIES BEGIN



Focus on “Open Government”

Core Principles:

- Transparency
- Participation
- Collaboration

Open Government Policy:

- The President’s Memorandum on Transparency and Open Government (Jan 21, 2009)
- A Strategy for American Innovation: Driving Towards Sustainable Growth and Quality Jobs
- The Open Government Directive

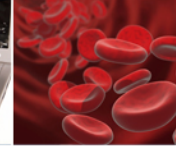


“My Administration is committed to creating an unprecedented level of openness in Government. We will work together to ensure the public trust and establish a system of transparency, public participation, and collaboration. Openness will strengthen our democracy and promote efficiency and effectiveness in Government.”

- President Barack Obama



WHERE DISCOVERIES BEGIN



Government-wide efforts: Transparency



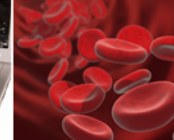
- **USA Spending.gov:** Financial Transparency
- **Recovery.gov:** Tracking Economic Stimulus Spending
- **Data.gov:** One Stop Data Sharing Platform
- **IT Dashboard:** Visualizing Technology Spending

“Transparency promotes accountability by providing the public with information about what the Government is doing.”

OMB Memo on Open Government, Dec. 8, 2009



WHERE DISCOVERIES BEGIN



NSF Efforts - Transparency

- Grants.gov
- NSF Recovery.gov
- Data.gov: NSF Datasets
- Research.gov

Grants.gov

Search Contact Us Site Map Help

FOR APPLICANTS

- Applicant Login
- Find Grant Opportunity
- Get Registered
- Apply for Grant
- Track My Application
- Applicant Resources
- Search FAQs, Tips & Site Information

APPLICANT SYSTEM

FOR GRANTOR

- ABOUT GRANT
- HELP
- CONTACT US
- SITE MAP

National Science Foundation

WHERE DISCOVERIES BEGIN

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

NSF DATA.GOV

HOME | CATALOGS | STATE/LOCAL | FAQ | SUGGEST DATASETS | AGENCY PARTICIPATION | ABOUT | BLOG

Research.gov

POWERING KNOWLEDGE AND INNOVATION

Welcome Anonymous | September 16, 2009

About Research.gov

Who We Are

Led by the National Science Foundation (NSF), Research.gov is a partnership of federal research-oriented grant making agencies with a shared vision of increasing customer service for the research community, while streamlining and standardizing business processes amongst partner agencies. [MORE](#)

Service Offerings

- Policy Library
- Research Spending and Results
- Partnership Model
- Partner Agency List
- Latest News
- Frequently Asked Questions

Login

NSF go!

Get Started Now!

Register New Institution

Apply For Grants

- Grants.gov
- NSF FastLane
- NASA NSPIRES

Feedback

Tell Us What You Think

Why should I Use Research.gov?

Get the answers >>

Services

Online tools to help you manage your grants

Welcome to Research.gov. Below is a list of services that we offer. Select a service from below to find out more.

- Research Spending and Results**
Now Available! Find Recovery Act Awards made by NSF. Here you can also find information about how NSF and IAA grant award dollars are being spent, what research is being performed, and how the outcomes of the research are benefiting society.
- Policy Library**
An electronic library that consolidates Federal and agency-specific policies, guidelines and procedures for use by Federal agencies and the awardee community. Agency-specific documents are included only for Research.gov partner agencies.
- Grants Application Status**
Principal Investigators and Sponsored Projects Office staff can check the status of grant applications, from submission to decision, submitted to NSF, USDA/CSREES, and DOD/ARO. Account Required.
- Institution and User Management**
Institution Administrators can manage profiles and permissions for their institutions and users. Account Required.
- Federal Financial Report**
Institutions can prepare and submit grant financial reports to NSF using the new government-wide standard form. Account Required.
- Recovery Act**
Learn More About the American Recovery and Reinvestment Act of 2009.

Events

September 16 - 17, 2009

Fall 2009 Research Review and Industrial Advisory Board Meeting

Partnership meeting

September 16 - 16, 2009

Center for e-Design IAB Meeting

Partnership meeting

September 17 - 18, 2009

NSF iuCRC Center for Health Organization Transformation Workshop

Partnership meeting

View All Events

My Weather

69°F

Cloudy

Arlington, VA

Wed, 16 Sep 2009 8:52 am EDT

Enter Your Zip:

go!



WHERE DISCOVERIES BEGIN



Current Research.gov Services

- Public Facing Services:

- SEE Innovation (New!)
- Research Spending & Results
 - Find Recovery Act Awards
- Research Headlines & Events
- Policy Library (Government-wide)

- Research Community Services:

- Project Outcomes Report for the General Public (New!)
- Grants Application Status
- Federal Financial Reports
- Manage institution and user accounts
- Research Performance Progress Reports (planning stage)
- Application Submission Web Service (now in pilot)

Research.gov POWERING KNOWLEDGE AND INNOVATION

Home | Contact Us | Site Map | Help

Welcome Anonymous | January 22, 2010

Why should I Use Research.gov?
Get the answers >>

Services
Online tools to help you manage your grants
Welcome to Research.gov. Below is a list of services that we offer. Select a service from below to find out more.

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Now Available! Find Recovery Act Awards made by NSF. Here you can also find information about how NSF and NASA grant award dollars are being spent, what research is being performed, and how the outcomes of the research are benefiting society.
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An electronic library that consolidates Federal and agency-specific policies, guidelines and procedures for use by Federal agencies and the awardee community. Agency-specific documents are included only for Research.gov partner agencies.
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- Federal Financial Report**
Institutions can prepare and submit grant financial reports to NSF using the new government-wide standard form. Account Required.
- Recovery Act**
Learn More About the American Recovery and Reinvestment Act of 2009.

Events

- January 21 - 22, 2010
[Center for Research in Intelligent Storage \(CRIS\) IAB Meeting](#)
Partnership meeting
- January 25 - 26, 2010
[FDP Meeting](#)
Partnership meeting
- February 10 - 12, 2010
[NCURA Departmental Research Administration Workshop](#)
Workshop

[View All Events](#)

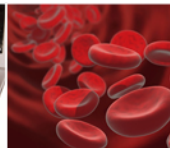
My Weather

40°F Cloudy

Arlington, VA
Fri, 22 Jan 2010 12:52 pm EST
Enter Your Zip: [go!](#)



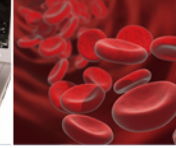
WHERE DISCOVERIES BEGIN



Policy Update



WHERE DISCOVERIES BEGIN

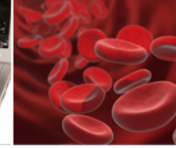


Policy Update Topics

- America COMPETES Act (ACA) Provisions
 - Responsible Conduct of Research
 - Reporting of Research Results
 - NSF Cost Sharing Policy
 - ACA Reauthorization and NSF Merit Review Criteria
- NSF Data Management Plan Requirements
- FFATA Subrecipient Reporting
- Grant-by-Grant Payments
- Primary Place of Performance
- Key Documents



WHERE DISCOVERIES BEGIN



Responsible Conduct of Research (RCR)

- Institution must certify it has a plan to provide appropriate training and oversight in the responsible and ethical conduct of research
- NSF funding of National Center for Professional & Research Ethics



<http://www.csl.uiuc.edu/ethics-center>

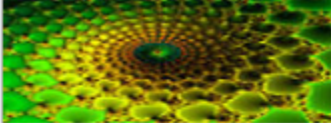



WHERE DISCOVERIES BEGIN



Responsible Conduct of Research (RCR)

- Federal Register Notices
- FAQs
- International Research Integrity

Office of Budget, Finance and Award Management (BFA)

[DIAS Home](#)
[CAAR Branch](#)
[Policy Office](#)
[Systems Office](#)
[View DIAS Staff](#)
Search DIAS Staff
 
BFA Organization
[Office of Budget, Finance, & Award Management](#)
[Budget Division](#)
[Division of Acquisition and Cooperative Support](#)
[Division of Financial Management](#)
[Division of Grants & Agreements](#)
[Division of Institution & Award Support](#)

Responsible Conduct of Research (RCR)

This page provides resources on NSF's implementation of Section 7009 of the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science (COMPETES) Act. The responsible and ethical conduct of research (RCR) is critical for excellence, as well as public trust, in science and engineering. Consequently, education in RCR is considered essential in the preparation of future scientists and engineers.

Statutory Requirement

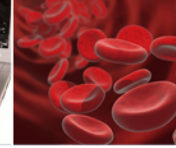
"The Director shall require that each institution that applies for financial assistance from the Foundation for science and engineering research or education describe in its grant proposal a plan to provide appropriate training and oversight in the responsible and ethical conduct of research to undergraduate students, graduate students, and postdoctoral researchers participating in the proposed research project."

- **Federal Register Notices**
 - [NSF's Implementation of Section 7009 of America COMPETES Act](#)
 - [NSF's Proposed Implementation of Section 7009 of America COMPETES Act](#)
- [RCR Implementation in the Grant Proposal Guide](#) (GPG)
- [RCR Implementation in the Award & Administration Guide](#) (AAG)
- [RCR Frequently Asked Questions \(FAQs\)](#)
- [International Research Integrity](#)
- NSF-funded Resources
 - [Coordinated Science Laboratory](#)
 - [Ethics in Science and Engineering National Clearinghouse](#)
 - [Online Ethics Center Enhancements and America COMPETES](#)

<http://www.nsf.gov/bfa/dias/policy/rcr.jsp>



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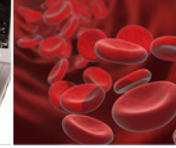


Project Outcomes Report for the General Public

- Effective for new awards, and funding amendments to existing awards, made on or after January 4, 2010.
- Report is prepared in and submitted via Research.gov, and published on the Research Spending & Results exactly as it is submitted.
- Report is not reviewed or approved by NSF.



WHERE DISCOVERIES BEGIN



Report Contents

- PI submits a brief report (200-800 words) prepared specifically for the public
- Report should contain:
 - Outcomes/findings that address the intellectual merit and broader impacts of the NSF-funded activity
 - Products that have resulted from the award should also be listed (collections, data sets, software, etc.)
 - All publications that are provided in FastLane are automatically included.
- Report should NOT contain:
 - Confidential, proprietary business information
 - Unpublished conclusions or data that could compromise ability to publish results
 - Invention disclosures that might adversely affect patent rights
 - Private Personally identifiable information

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[About Federal Financial Reports](#)

[About Project Outcomes Reports](#)

[About Application Submission](#)

[About User Management](#)



About the Project Outcomes Report for the General Public

Section 7010 of the America COMPETES Act requires that research funded in whole or in part by NSF report on the outcomes of the funded research for the general public. The Project Outcomes Report for the General Public serves as a brief summary prepared by the Principal Investigator (PI) or co-PI specifically for the public, describing the nature and outcomes of the project.

These reports will be posted for public viewing exactly as submitted by the PI or co-PI and accompanied by a disclaimer.

This new reporting requirement is effective for new awards made or existing awards that receive funding increments or supplements on or after January 4, 2010. PIs and co-PIs will use Research.gov to prepare and submit these reports. Please note this report is required in addition to final project reports which PIs and co-PIs will continue to submit through FastLane.

The Project Outcomes Report will describe the project outcomes or findings that address the intellectual merit and broader impacts of the work as defined in the NSF merit review criteria. Additionally, PIs and Co-PIs will have the opportunity to creatively showcase their work by uploading images that will be posted with the report.

Following submission, the public can view a Project Outcomes Report for the General Public online through Research.gov's Research Spending and Results Search. Research Spending and Results allows you to find awards based on search criteria such as awardee, award ID, fields of research and education, and Congressional District where the award was made.

How PIs and co-PIs can prepare and submit Project Outcomes Reports:






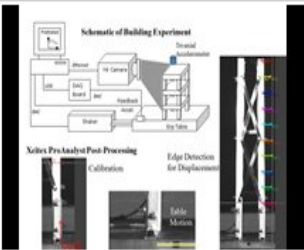
1. Log-in to Research.gov (first time Research.gov users, see [How Do I Login?](#)).



WHERE DISCOVERIES BEGIN



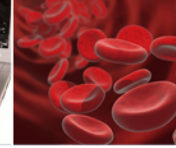
Sample Project Outcomes Report

<div>NSF Visitor <input type="button" value="Log In"/></div> <div>How Do I Login? Register</div> <div>Who We Are</div> <div>Service Offerings</div> <div>Research Spending</div> <div>Policy Library</div> <div>About Grants Application Status</div> <div>About Federal Financials</div> <div>About Project Outcome Reports</div> <div>About Application Process</div> <div>About User Management</div> <div>News</div> <div>SEE Innovation</div> <div>APPLY FOR GRANTS</div> <div>Grants.gov</div> <div>NSF FastLane</div> <div>NASA Inspires</div> <div>FEEDBACK</div> <div>Tell Us What You Think</div>	<div>Awardee Location</div> <div>Street:</div> <div>City:</div> <div>State:</div> <div>ZIP:</div> <div>County:</div> <div>Country:</div> <div>Awardee Cong. District:</div> <div>Primary Location of Project</div> <div>Organization Name:</div> <div>Street:</div> <div>City:</div> <div>State:</div> <div>ZIP:</div> <div>County:</div> <div>Country:</div> <div>Cong. District:</div> <div>Abstract at Time of Award</div> <div>After recent high profile failures, the qualitative visual inspection which can determine damage state, or "health," at any given time is a critical need. The goal is to limit the total damage cost by condition-based maintenance and inspection. Areas include hazard resistance, not only to prevent damage, but also to ensure the structure can withstand the damage. The overall objective is to synthesize research and development of the PI as a role model for the vision exists for a practical research project's activities to produce a positive impact on the professionals. Considering diverse perspectives, the project aims to develop a structural health evaluation method that can be used on common infrastructure. A structural health algorithm requires damage indicators for measuring extent and identifying location. To this end, a series of laboratory experiments have been performed as a part of this work. One additional research project and several educational activities have also been undertaken.</div>	<div>Project Outcomes Report</div> <div>Disclaimer</div> <div>This Project Outcomes Report for the General Public is displayed verbatim as submitted by the Principal Investigator (PI) for this award. Any opinions, findings, and conclusions or recommendations expressed in this Report are those of the PI and do not necessarily reflect the views of the National Science Foundation; NSF has not approved or endorsed its content.</div> <div>BRIGE 0824227 Annual Project Report – Year 2, Final Report</div> <div>Infrastructure Health Evaluation via Experimental Techniques</div> <div>Images (1 of 5)</div> <div></div> <div>As an initial investigation, experiments on a stainless steel cantilever beam are used to determine potential parameters for damage detection. The next step in higher order analysis has been measuring and studying the damage trend behaviors of a student-constructed tower. The incrementally damaged responses show a decreased first modal frequency as well as characteristic coupling and splitting in the higher modal frequencies. In fact, the first natural frequency lowered by a surprising 27.75% and 34.60% with increasing damage.</div> <div>The location of the damage will require a more complex structure, which has been the latest focus. A three story metal frame structure was constructed. A significant amount of time was devoted to comparing data from traditional sensors and high-speed video analysis: displacement is well tracked visually by Xcitex's ProAnalyst, but acceleration is better monitored by contact transducers. Dynamic structural parameters were obtained from the measured response using a specialized software suite called STAR Modal. After the baseline, "healthy", or undamaged state of the structure was established, damage was incrementally applied to the building by removing</div>
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http://www.nsf.gov/publications/pub_summ.jsp?ods_key=porfaqs



WHERE DISCOVERIES BEGIN

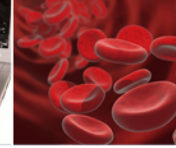


NSF's Revised Cost Sharing Policy

- In response to statutory requirements, and as recommended by the National Science Board, mandatory cost sharing has been implemented for the following programs:
 - Major Research Instrumentation Program;
 - Robert Noyce Scholarship Program;
 - Engineering Research Centers;
 - Industry/University Cooperative Research Centers;
 - Experimental Program to Stimulate Competitive Research
 - Cost sharing for these programs must be identified on Line M of the approved budget.



WHERE DISCOVERIES BEGIN

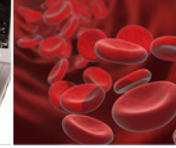


NSF's Revised Cost Sharing Policy

- Inclusion of voluntary committed cost sharing is prohibited in solicited & unsolicited proposals.
- Mandatory NSF-required programmatic cost sharing will rarely be approved for an NSF program.



WHERE DISCOVERIES BEGIN

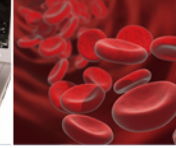


NSF's Revised Cost Sharing Policy

- The Facilities, Equipment & Other Resources section should be used to provide a comprehensive description of all resources (both physical and personnel) necessary for, and available to a project, without reference to cost, date of acquisition, and whether the resources are currently available or would be provided upon receipt of the grant.



WHERE DISCOVERIES BEGIN



NSF's Revised Cost Sharing Policy

- NSF program officers may discuss the “bottom line” award amount with PIs, but may not renegotiate or impose cost sharing or other organizational commitments.
- NSF Program Officers may not impose or encourage programmatic cost sharing requirements.
- Send additional questions to costsharing@nsf.gov

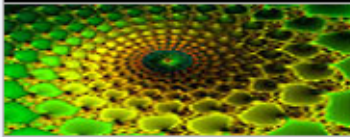


WHERE DISCOVERIES BEGIN



NSF Revised Cost Sharing Policy

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BFA Organization

**Office of Budget, Finance, &
Award Management**

Budget Division

**Division of Acquisition and
Cooperative Support**

**Division of Financial
Management**

**Division of Grants &
Agreements**

**Division of Institution & Award
Support**

Policy Office

HEAD: Jean Feldman

The Policy Office is responsible for developing, implementing and issuing proposal and award policy for the programs of the National Science Foundation and is available to assist you with questions involving policy related issues. Questions related to specific awards should be directed to the [Division of Grants and Agreements](#).

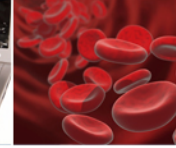
Grants & Cooperative Agreements:

- [Policy & Guidance](#) (including the [Proposal and Award Policies and Procedures Guide](#), which incorporates the [Grant Proposal Guide](#) (GPG) and [Award & Administration Guide](#) (AAG))
- [FAQs: Proposal Preparation and Award Administration](#)
- [Responsible Conduct of Research \(RCR\)](#)
- [FAQs: Project Outcomes Report for the General Public \(POR\)](#)
- [NSF Data Management Policy](#)
- [NSF Merit Review Process](#)
- [Examples of Activities that Demonstrate Broader Impacts](#)
- NSF Cost Sharing Policy
 - [Overarching Policies on Cost Sharing](#)
 - [FAQs on on Cost Sharing](#)
 - [Pre-award](#)
 - [Post-award](#)
 - **NSF Programs with Mandatory Cost Sharing**
 - Major Research Instrumentation Program
 - Robert Noyce Scholarship Program
 - Engineering Research Centers
 - Industry/University Cooperative Research Centers
 - Experimental Program to Stimulate Competitive Research

<http://www.nsf.gov/bfa/dias/policy/index.jsp>



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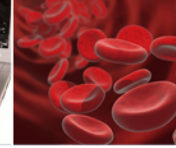


America COMPETES Reauthorization & NSF Merit Review Criteria

- Review of NSF Merit Review Criteria
- Focusing on:
 - How criteria are being interpreted and used by PIs, reviewers, and NSF staff
 - Strengths and weaknesses of criteria
 - Impact of criteria on how PIs develop projects
 - Role of the institution



WHERE DISCOVERIES BEGIN

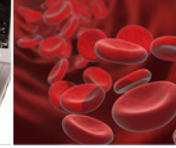


New Data Management Plan Requirements

- Data management plan must be submitted as a Supplementary Document – **effective for proposals submitted, or due, on or after January 18, 2011**
- Plan should describe how the proposal will conform to NSF policy on dissemination and sharing of research results.
- A valid Data Management Plan may include only the statement that no detailed plan is needed, as long a clear justification is provided.
- Except where specified in a solicitation, the plan may not exceed two pages.



WHERE DISCOVERIES BEGIN



New Data Management Plan Requirements

- Plan will be reviewed as part of the intellectual merit and/or broader impacts of the proposal.
- FastLane will not permit submission of a proposal that is missing a data management plan.

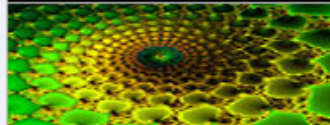


WHERE DISCOVERIES BEGIN



NSF Data Management Policy – Online Resources

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Dissemination and Sharing of Research Results

NSF Data Sharing Policy

Investigators are expected to share with other researchers, at no more than incremental cost and within a reasonable time, the primary data, samples, physical collections and other supporting materials created or gathered in the course of work under NSF grants. Grantees are expected to encourage and facilitate such sharing. See [Award & Administration Guide \(AAG\) Chapter VI.D.4](#).

NSF Data Management Plan Requirements

Proposals submitted or due on or after January 18, 2011, must include a supplementary document of no more than two pages labeled "Data Management Plan". This supplementary document should describe how the proposal will conform to NSF policy on the dissemination and sharing of research results. See [Grant Proposal Guide \(GPG\) Chapter II.C.2.i](#) for full policy implementation.

Requirements by Directorate, Office, Division, Program, or other NSF Unit

Links to data management requirements and plans relevant to specific Directorates, Offices, Divisions, Programs, or other NSF units, are provided below. If guidance specific to the program is not provided, then the requirements established in [Grant Proposal Guide, Chapter II.C.2.i](#) apply.

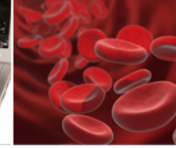
Please note that if a specific program solicitation provides guidance on preparation of data management plans, such guidance must be followed.

- Engineering Directorate (ENG)
 - [Directorate-wide Guidance](#)
- Geological Sciences Directorate (GEO)
 - [Division of Earth Sciences](#)
 - [Integrated Ocean Drilling Program](#)
 - [Division of Ocean Sciences](#)
- Mathematical and Physical Sciences Directorate (MPS)

<http://www.nsf.gov/bfa/dias/policy/dmp.jsp>



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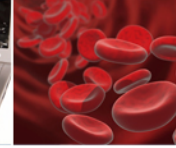


Primary Place of Performance

- Proposers are now required to enter a Primary Place of Performance.
 - Previously, this information was automatically derived from proposing organization data.
 - The information is based on FFATA requirements
 - The nine-digit zip-code that is entered is validated against USPS data.
 - Proposals that fail this validation cannot be submitted.
 - If the proposer receives an error message, they will be required to log onto the USPS website, enter the address, retrieve the zip code provided and enter it in FastLane.



WHERE DISCOVERIES BEGIN

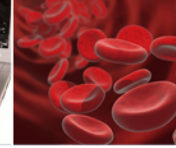


FFATA Subrecipient Reporting: What NEW reporting is required?

- Prime contract awardees of contracts \$25K or more must report associated contract subawards
 - Data collection will be phased with all required contract subawards reporting by March 2011
- Prime grant awardees of grants \$25K or more must report associated grant subawards
- Executive compensation information for awardees



WHERE DISCOVERIES BEGIN

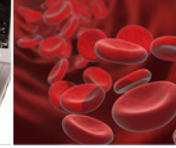


Subrecipient Reporting: When does reporting begin?

- Contracts subaward (subcontracts only) reporting requirement will be phased in as follows:
 - Phase 1: Reporting subawards of prime awards valued greater than \$20M began in **July 2010**
 - Phase 2: Reporting subawards of prime awards valued greater than \$550K began **October 1, 2010**
 - Phase 3: Reporting subawards of prime awards valued at \$25K or more begins **March 1, 2011**
- Grants subaward (subgrants only) reporting is required for all new awards made on or after **October 1, 2010** for all new prime grant awards \$25K or more
 - FSRS began accepting reports on **October 29, 2010**



WHERE DISCOVERIES BEGIN



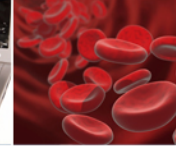
Report Submission Timeframe

All awardees must report by the end of the month following the month the award or obligation was made

- For example, if an award is made on October 10, 2010 the awardee would have until November 30, 2010 to report the award – all awards made during October will have until November 30, 2010 to report



WHERE DISCOVERIES BEGIN



Grant-By-Grant Payment

- NSF is planning a transition from Grant Pooling to Grant-By-Grant (GBG) payment method
- The benefits of this transition include:
 - Increased grantee access to more detailed and timely financial data, funds status information, and expenditure data
 - Detailed, real-time access to information on payments and award balances.
 - Reduced need for manual accounting processes including reconciliations and adjustments
 - Eliminates quarterly report



WHERE DISCOVERIES BEGIN



Fact Sheets on Recent Updates

**National Science Foundation**
WHERE DISCOVERIES BEGIN

RECENT CHANGES TO NSF PROPOSAL & AWARD POLICIES

New Reporting Requirement: Project Outcomes Report for the General Public

To comply with section 7010 of the America COMPETES Act, NSF implemented a new reporting requirement for new awards and funding amendments made on or after January 4, 2010. This report is submitted by the Principal Investigator (PI) and serves as a brief summary, prepared specifically for the public, on the nature and outcomes of the funded project. Unlike the annual and final reports, however, this Project Outcomes Report (POR) must be submitted in Research.gov. Also unlike annual and final reports, the POR will not be reviewed or approved by NSF, and will appear on Research.gov's Research Spending and Results exactly as it is submitted by the PI.

PIs will have the ability to save and preview the report before it is submitted. In addition, images and addenda may be added but are not required. Additional information about the contents of these new reports can be found in Chapter II.E.3 of the Award & Administration Guide in the NSF Proposal & Award Policies & Procedures Guide.

Mentoring Plans Required in Proposal Supplementary Documents

To comply with section 7008 of the America COMPETES Act, NSF implemented a requirement that all proposals that contain postdoctoral researchers must also provide a description of the mentoring activities that will be provided to them.

Proposals that request funding to support postdoctoral researchers must also contain a Mentoring Plan as a supplementary document. FastLane will not permit submission of a proposal that includes a postdoctoral researcher but fails to include a mentoring plan.

Additional information about this requirement including examples of mentoring activities can be found in Chapter II.C.2.j of the Grant Proposal Guide of the NSF Proposal & Award Policies & Procedures Guide.

IMPORTANT LINKS:

National Science Foundation
www.nsf.gov

Division of Institution and Award Support
www.nsf.gov/bfa/dias

Policy Office
www.nsf.gov/bfa/dias/policy

NSF Proposal & Award Policies and Procedures Guide (NSF 11-1)
www.nsf.gov/pubs/2011/pa11-1/pa11-1.pdf

National Science Foundation
4201 Wilson Boulevard
Arlington, Virginia 22230 USA

TEL: (703) 292-5111
FIRS: (800) 877-8339
TDD: (800) 281-8748

Questions may be directed to the Policy Office at NSF

Email: policy@nsf.gov
Phone: (703) 292-8243

http://www.nsf.gov/bfa/dias/policy/factsheets/datamgmt_costshare.pdf

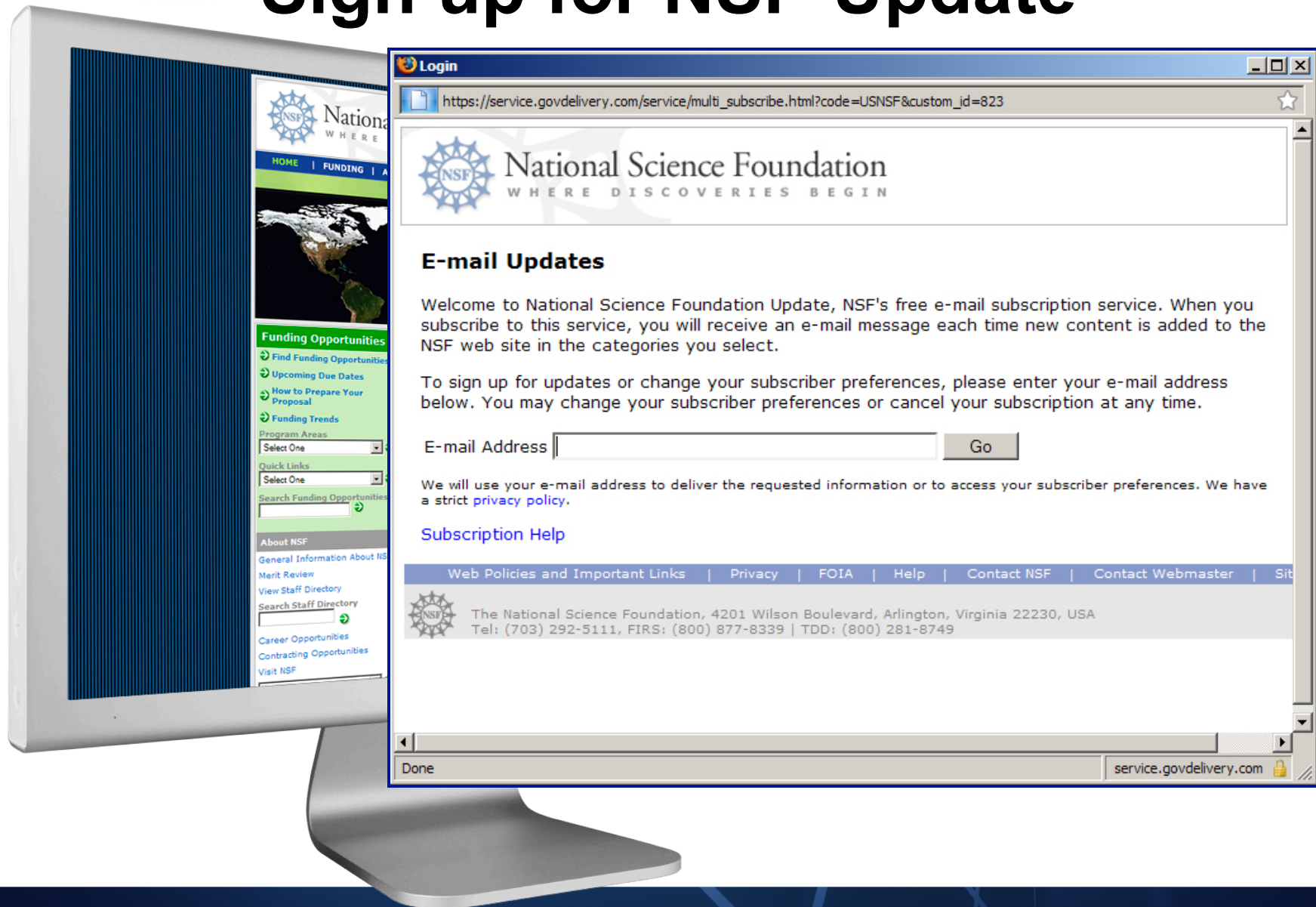
http://www.nsf.gov/bfa/dias/policy/factsheets/por_mentor.pdf



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Outreach All NSF Organizations

All 2011

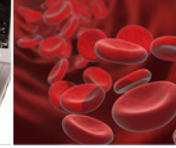
January 19, 2011
[NSF Day at the University of San Diego](#)
Outreach

February 18, 2011
[NSF Day at Texas State University-San Marcos](#)
Outreach

March 21, 2011 - March 22, 2011
[NSF Regional Grants Conference - Nashville, TN](#)
Outreach



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NSF Outreach/Learning Opportunities

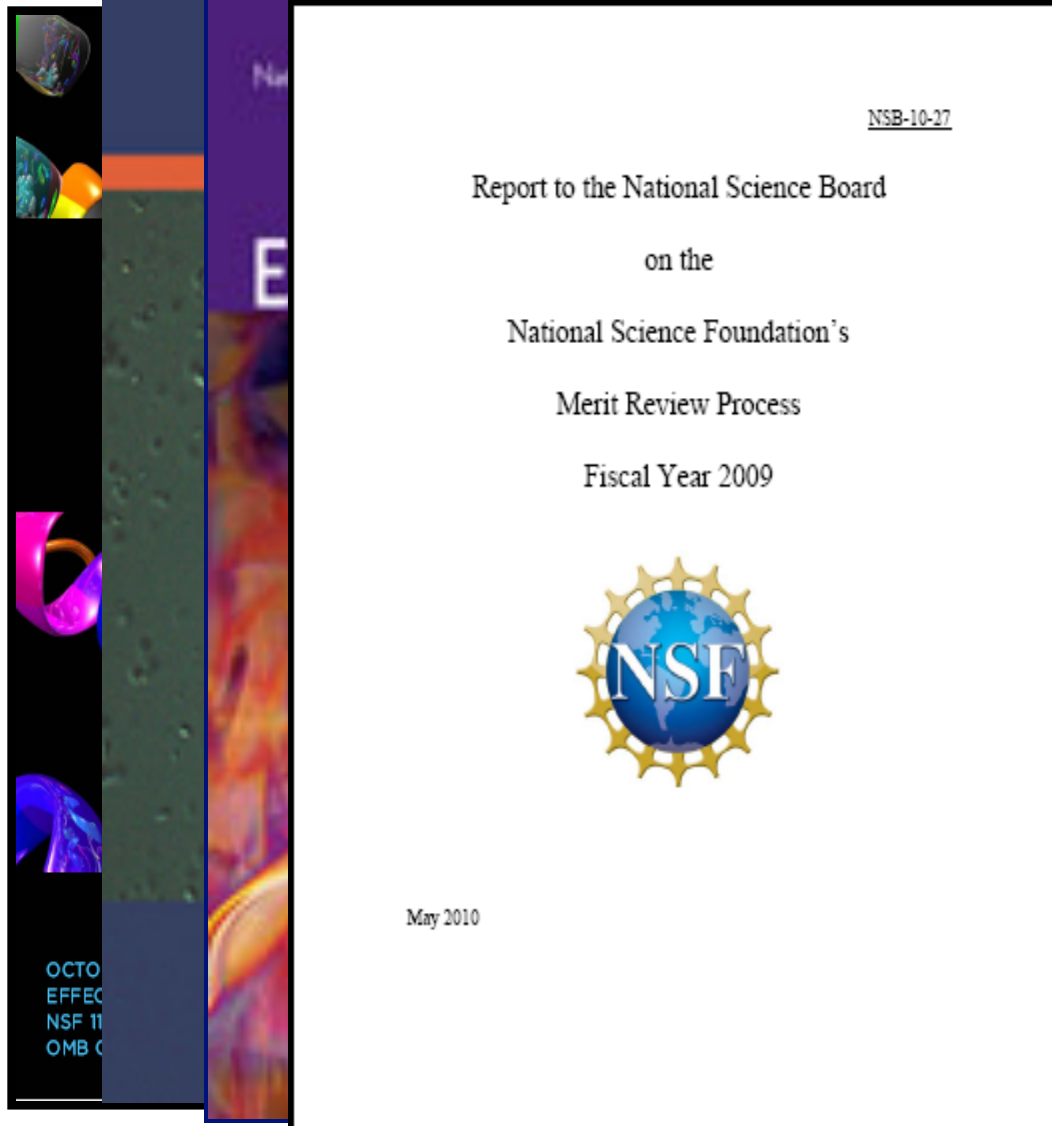
- NSF Regional Grants Conference
 - Two-day, bi-annual conference
 - March 21-22, 2011 in Nashville, TN
 - October 17-18 2011 in Austin, TX
 - <http://www.nsf.gov/bfa/dias/policy/outreach.jsp>
- SRA & NCURA Conferences
 - Annual meetings and spring regional conferences
 - NSF-Updates and Workshops
- Focused Outreach
 - Tribal Colleges, HBCUs, HSIs



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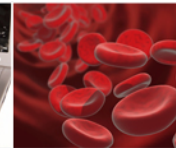
Key Documents



- Proposal & Award Policies & Procedures Guide (PAPPG)
- FY 2012 Budget Request to Congress
- Science & Engineering Indicators
- Report to the NSB on NSF Merit Review Process



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For More Information

Ask Early, Ask Often!

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

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