

The background features a large, stylized logo for the National Science Foundation (NSF). It consists of a central blue and white globe with the letters 'NSF' in white, set against a yellow gear-like pattern.

Funding Opportunities for the Social, Behavioral and Economic Sciences

Bill Badecker

Program Director, Linguistics
Division of Behavioral and Cognitive Sciences

Portland, OR

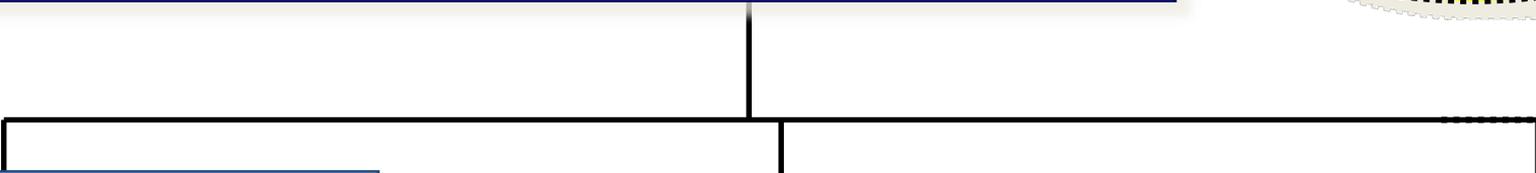
February 29-March 1, 2016

Directorate for Social, Behavioral & Economic Sciences



Dr. Fay Lomax Cook, Assistant Director
Dr. Kellina Craig-Henderson, Deputy Assistant Director

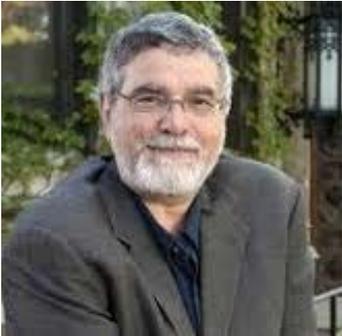
SBE Office of Multidisciplinary Activities (SMA)



Behavioral and Cognitive Sciences (BCS)
Dr. Howard Nusbaum, Division Director

Social and Economic Sciences (SES)
Dr. Alan Tomkins, Acting Division Director

National Center for Science and Engineering Statistics (NCSES)
Dr. John Gawalt, Division Director



Behavioral and Cognitive Sciences Division

...supports research to develop and advance scientific knowledge about humans spanning areas of inquiry including brain and behavior, language and culture, origins and evolution, and geography and the environment.



Behavioral and Cognitive Sciences Standing Programs

Archaeology

Linguistics

Archaeometry

Documenting Endangered
Languages (DEL)

Biological Anthropology

Social Psychology

Cultural Anthropology

Perception, Action and
Cognition (PAC)

Geography and Spatial
Sciences

Developmental and Learning
Sciences (DLS)

Cognitive Neuroscience



Social and Economic Sciences Division



...seeks to enhance our understanding of human, social and organizational behavior by building social science infrastructure, by developing social disciplinary and interdisciplinary research projects that advance knowledge in the social and economic sciences.



Social and Economic Sciences Standing Programs

Decision, Risk, and
Management
Sciences (DRMS)

Political Science

Science of Organizations
(SoO)

Economics

Science, Technology, and
Society (STS)

Law and Social
Sciences (LSS)

Sociology

Methodology,
Measurement, and
Statistics (MMS)



National Center for Science and Engineering Statistics

... is the nation's leading provider of statistical data on the science and engineering enterprise. Its primary focus is on the collection, interpretation, analysis, and dissemination of objective data on science and engineering in the US and abroad, though NCSES also provides support for external research that uses its data.

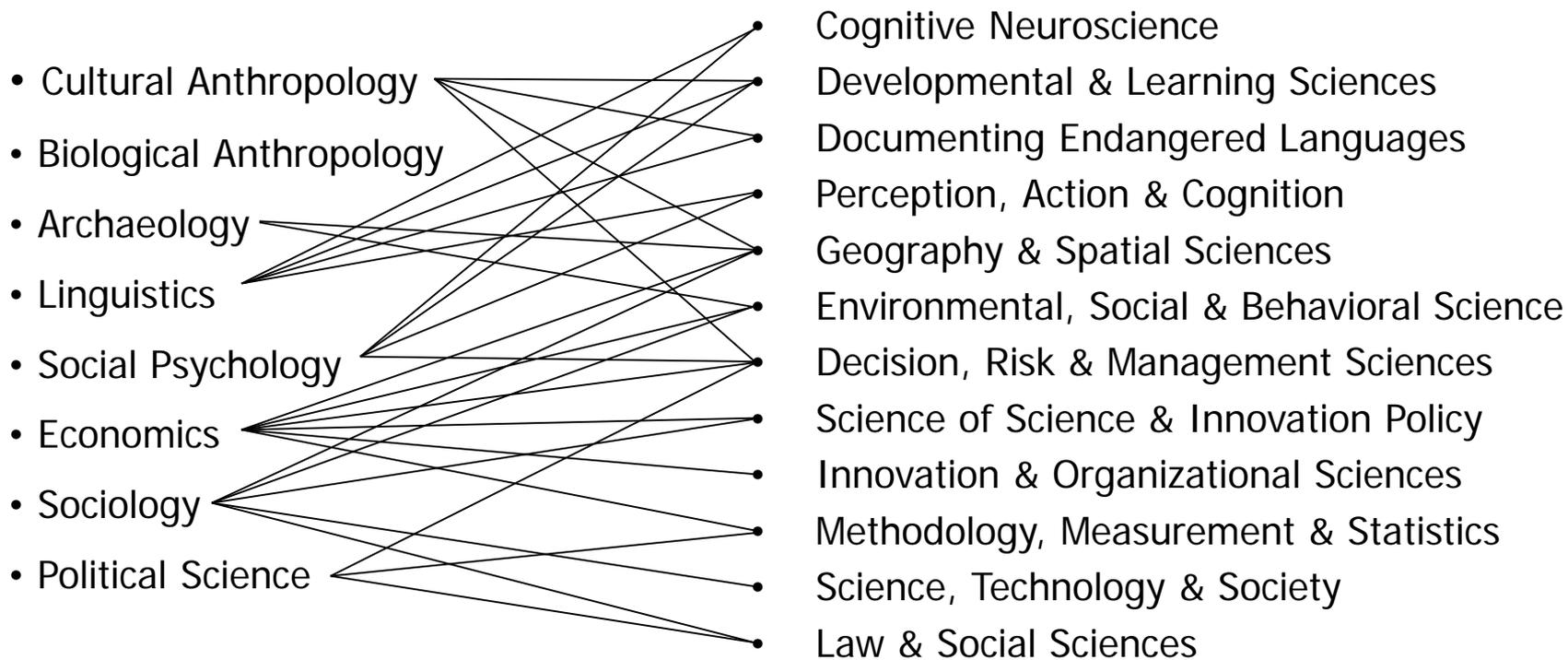


NCSES Data Resources

- **11 National Surveys on the S&T Enterprise**
- **Research and Development Surveys that measure:**
 - R&D expenditures by academia, businesses, federal and state governments
 - R&D infrastructure (facilities, etc.)
 - Outputs
 - Who are the funders and the performers?
- **Human Resources Surveys that measure:**
 - Graduate enrollments in S&E
 - Doctoral degrees awarded
 - Science and engineering workforce
- **Leverage survey data from other sources on:**
 - Enrollment and degrees below the doctoral level
 - Employment by industry

For more information: www.nsf.gov/statistics

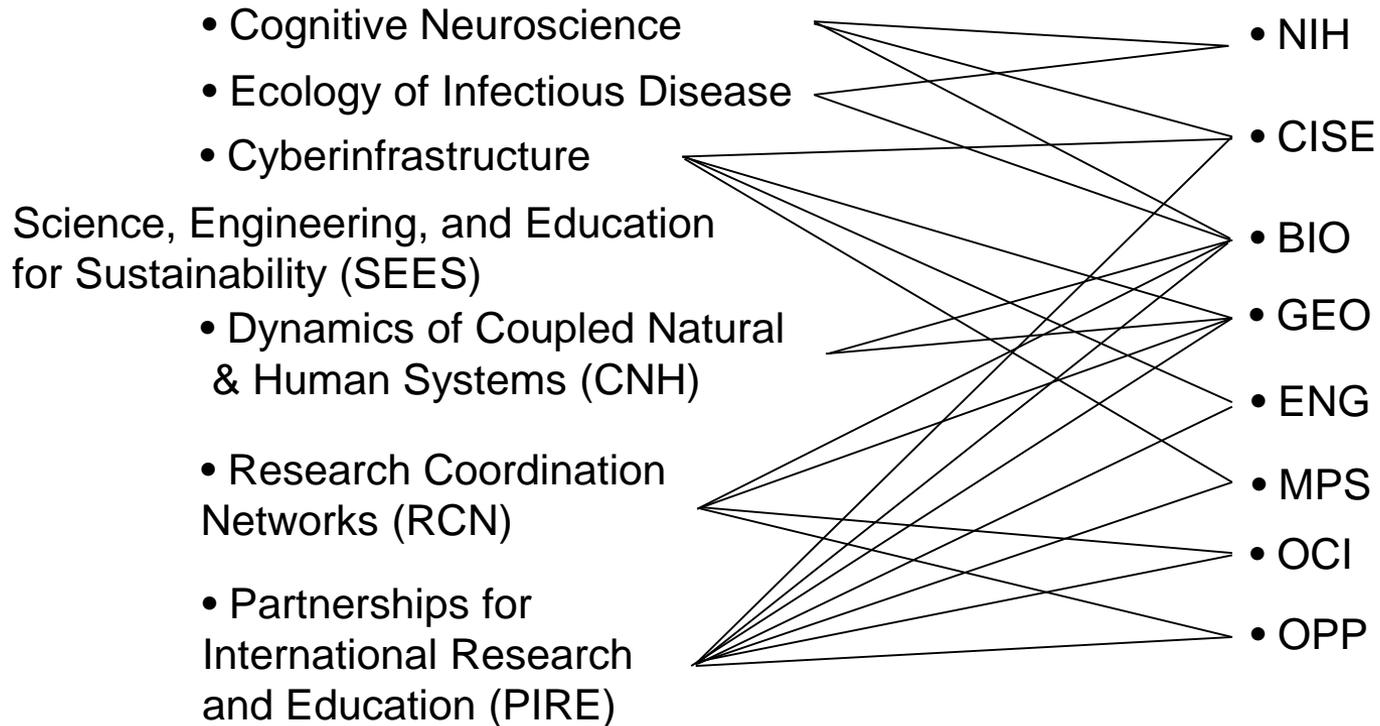
Social, Behavioral & Economic Sciences Programs



Social, Behavioral & Economic Sciences Joint Funding

Joint-Funded Programs

Funding Partners



Social, Behavioral and Economic Sciences (SBE) Funding

(Dollars in Millions)

	FY 2015 Estimate	FY 2016 Request	Change Over FY 2015 Estimate	
			Amount	Percent
Social and Economic Sciences (SES)	\$97.72	\$105.13	\$7.41	7.6%
Behavioral and Cognitive Sciences (BCS)	94.47	101.79	7.32	7.7%
NCSES: National Ctr for Science & Engineering Statistics	50.76	54.31	3.55	7.0%
SMA: Office of Multi- disciplinary Activities	29.25	30.23	0.98	3.4%
Total, SBE	\$272.20	\$291.46	\$19.26	7.1%

Totals may not add due to rounding.

SBE Budget

Standing Program Senior Research

BCS Programs	Fiscal Year 2015 Budget Allocations	Senior Success Rates (2009-14)	Average Award Size (2009-14)
Archaeology & Archaeometry	\$8,114,104	28%	\$147,291
Biological Anthropology	\$5,076,019	27%	\$274,534
Cognitive Neurosciences	\$10,027,941	15%	\$501,513
Cultural Anthropology	\$4,794,423	12%	\$151,965
DLS	\$8,091,836	16%	\$430,680
DEL	\$2,769,670	32%	\$81,080
GSS	\$8,273,267	13%	\$278,235
Linguistics	\$6,388,631	29%	\$283,953
PAC	\$8,215,708	17%	\$423,122
Social Psych	\$7,908,200	16%	\$305,035

SBE Budget

Standing Program Senior Research

SES Standing Programs	Fiscal Year 2015 Budget Allocation
Decision, Risk, and Management Sciences	\$6,859,931
Economics	\$23,464,398
Law and Social Sciences	\$5,609,643
Methodology, Measurement, and Statistics	\$4,058,922
Political Science	\$9,123,562
Science of Organizations	\$3,182,492
Science, Technology, and Society	\$5,985,241

Funding Mechanisms: Kinds of Proposals

Standing programs differ, but most support:

- Doctoral Dissertation Research Improvement grants
- Regular/senior research grants
- CAREER awards
- High risk awards (EAGER, RAPID)
- Training programs (including Scholars)
- Research-focused workshops
- Research Coordination Networks (RCNs)

SBE Directorate Priorities

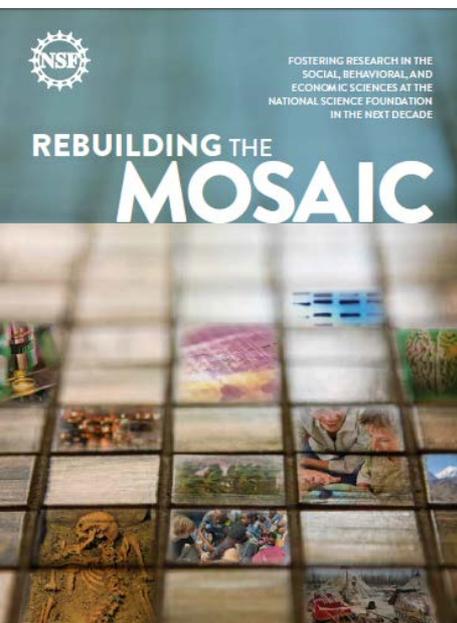
- **Cognitive Science/Neuroscience:** Understanding the Brain
- **Science of Learning**
- **Privacy in Today's Networked World**
- **Interdisciplinary Behavioral and Social Sciences (IBSS)**
- **Science of Disparities:** Developing and testing theories of the causes, contexts, and consequences of inequality

SBE Directorate Priorities

- Big Data for the SBE Sciences
- Research Infrastructure, including the Big Three Surveys: American National Election Studies (ANES), General Social Survey (GSS), and Panel Study of Income Dynamics (PSID)
- Provide statistical data on the Science and Engineering enterprise in the US and abroad

SBE 2020: Future Research in the Social, Behavioral & Economic Sciences

- Frame innovative research for the year 2020 that will enhance fundamental knowledge and will benefit society in many ways.
- Insights to inform and enable:
 - Substance, capacity, and infrastructure
 - Increasingly interdisciplinary and international research
 - Many perspectives, intellectual frameworks, scales, contexts, approaches and methodologies
- Invited white papers outlining grand challenge questions that are both foundational and transformative.
 - Foundational: reflect deep issues that engage fundamental assumptions behind disciplinary research traditions
 - Transformative: leverage current findings to unlock a new cycle of research.
- Results analyzed and discussed in *Rebuilding the Mosaic*



http://www.nsf.gov/sbe/sbe_2020/index.cfm

Human Subjects

- No award for a project involving human subjects can be made without prior Institutional Review Board (IRB) approval/exemption of the research activity
 - IRB approval must be valid for at least 90 days after the award date
- IRB approval is not needed at the time of proposal submission.

Where to start?

- AN IDEA
- www.nsf.gov
- Check awards by program, keyword, etc.
(www.nsf.gov/awardsearch/)
- Read solicitation carefully (if not an unsolicited competition)
- Download (and read!) *Grant Proposal Guide*
(= first part of the *PAPPG*)
- Think about scale and budget

Advice

- Review NSF website
- “Get NSF Updates by Email” on homepage
- Team up
 - Collaborate
 - Ask colleagues to comment on proposals
- E-mail or call Program Officer with specific questions (send a one page project summary before calling)
- Learn to get beyond rejection

More Tips

- Give yourself plenty of time
 - Don't expect to be successful by “throwing something together at the last minute.”
- Consider theoretical foundations and prospective theoretical contributions.
- Read Solicitations, *Grant Proposal Guide* (GPG), etc.
- Learn how proposals will be evaluated; Think like those who will review and make decisions
- Volunteer to review proposals
- Talk to Program Officers



QUESTIONS??

Contact Bill Badecker
(703) 292-5069
wbadecke@nsf.gov

OR....

Appendices

- SBE Standing Program Information, Target/Due Dates, etc.
- Navigating the NSF web site
 - Finding information about standing programs and special solicitations
 - Finding information about NSF funded projects
- Paths to SBE Support

Standing Program Information

- The following slides are for your reference
- They provide a brief sense of SBE Program and Program Officer names.
- Word to the Wise:
 - Dates, names, etc. change. Double check on website.

Division of Behavioral and Cognitive Sciences

- Supports research to develop and advance scientific knowledge focusing on human cognition, language, evolution, social behavior, and culture
- Supports research on the interactions between human societies and the physical environment

Division Director: Howard Nusbaum <hnusbaum@nsf.gov>

BCS Target/Deadline Dates

DDRIs may differ

Archaeology ⁺ & Archaeometry [*]	July 1 ⁺ & Dec 20 ⁺ , December 1 [*]
Biological Anthropology	March 16, 2016; November 16, 2016
Cultural Anthropology	January 15 & August 15
Geography and Spatial Sciences	first Thursday in September
Cognitive Neuroscience	August 15, 2016 & February 13, 2017
Developmental & Learning Sciences	January 15 & July 15
Documenting Endangered Languages	September 15
Linguistics	January 15 & July 15
Perception, Action & Cognition	window: Jan 15-Feb 1 & July 15-Aug 1
Social Psychology	January 15 & July 15

Archaeology & Archaeometry

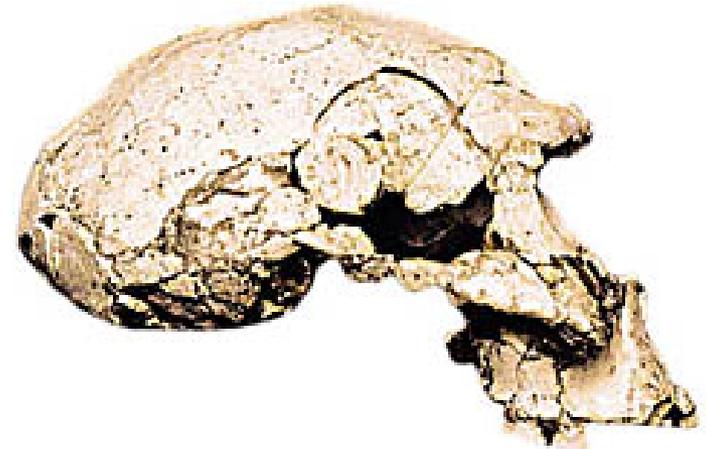
Funds:

1. Archaeological research that contributes to an anthropological understanding of the past
2. Anthropologically significant archaeometric research

Program Officer: John Yellen

Biological Anthropology

- Supports basic research in areas related to:
 - Human Evolution
 - Anthropological Genetics
 - Human Adaptation
 - Skeletal Biology
 - Primate Biology
 - Ecology and Behavior
- Grants are often characterized by:
 - An underlying evolutionary framework
 - A consideration of adaptation as a central theoretical theme
 - Generalizable Results
- Serves as a bridge between the social and behavioral sciences and the natural and physical sciences



Program Officer: Rebecca Ferrell

Cultural Anthropology

- Promotes basic scientific research on the causes and consequences of human social and cultural variation
- Supports social scientific research of theoretical importance in all theoretical and empirical subfields

Program Officer: Jeffrey Mantz, Deborah Winslow

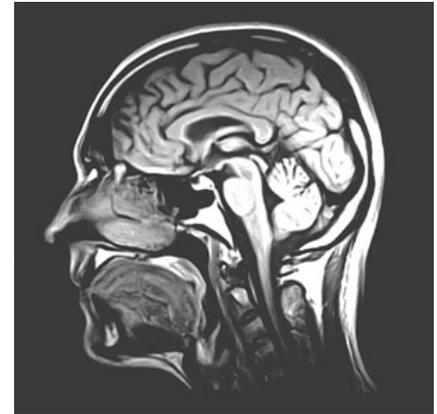
Geography and Spatial Sciences

- Supports research on human, physical, and biotic systems on the Earth's surface, as well as their related subfields
- Investigations into the nature, causes, and consequences of human activity within particular "places and spaces" are encouraged
- Both international & domestic projects which may contribute to related fields are also funded

Program Officers: Tom Baerwald, Holly Hapke, Sunil Narumalani

Cognitive Neuroscience

- Program supports highly innovative and interdisciplinary proposals
- Proposals should aim to advance a rigorous understanding of how the human brain supports:
 - thought
 - perception
 - affect
 - action
 - social processes
 - and other aspects of cognition and behavior, including how such processes develop and change in the brain and through evolutionary time.



Program Officer: Alumit Ishai

Developmental and Learning Sciences



- Supports studies that increase our understanding of cognitive, social, and biological processes related to children and adolescents' learning in formal and informal settings
- Supports research on learning and development that:
 - incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches
 - develops new methods and theories
 - examines transfer of knowledge from one domain to another
 - assesses peer relations, family interactions, social identities, and motivation
 - examines the impact of family, school, and community resources
 - assesses adolescents' preparation for entry into the workforce
 - investigates the role of demographic and cultural characteristics in children's learning and development

Program Officer: Laura Namy

Documenting Endangered Languages

- Responds to loss of world's languages
 - Research grants
 - Fellowships in partnership with NEH
- Data collection, preparation of grammars & dictionaries
- Requires creation of archives
- Training & Workshops
- Cyber infrastructure and tools for linguistic analysis

Program Officer: Colleen Fitzgerald

Linguistics

- Supports scientific research of all types that focus on human language as an object of investigation
 - the syntactic, semantic, phonetic, and phonological properties of individual languages and of language in general
 - the psychological processes involved in the use of language
 - the development of linguistic capacities in children
 - social and cultural factors in language use, variation, and change
 - the acoustics of speech and the physiological and psychological processes involved in the production and perception of speech
 - the biological bases of language in the brain

Program Officer: Bill Badecker, Joan Maling

Perception Action and Cognition

- Supports basic research on human cognitive and perceptual functions
- Topics include, but are not limited to:
 - Attention
 - Memory
 - Spatial Cognition
 - Language Processing
 - Perceptual and Conceptual Development
 - Visual, Auditory, and Tactile Perception
 - Reasoning
- Research supported by the program encompasses a broad range of theoretical perspectives such as Symbolic Computation, Connectionism, and Dynamical Systems

Program Officers: Betty Tuller, Anne Cleary

Social Psychology

- Supports research on human social behavior, including cultural differences and development over the life span
- Among the many research topics supported are:
 - attitude formation and change
 - social cognition
 - personality processes
 - interpersonal relations and group processes
 - the psychophysiological correlates of social behavior

Program Officers: Kerry Marsh, Tamera Schneider

Division of Social and Economic Sciences (SES)

- Supports research to develop and advance scientific knowledge focusing on economic, legal, political and social systems, organizations, and institutions
- Supports research on the intellectual and social contexts that govern the development and use of science and technology

Acting Division Director: Alan Tomkins <atomkins@nsf.gov>

SES Target/Deadline Dates

(DDRIGs may differ)

Law and Social Science	August 1, 2016 & January 17, 2017
Political Science	January 17, 2017 & August 15
Sociology	January 17, 2017 & August 15
Economics	January 18 & August 18
Science, Technology and Society	February 2 & August 3
Science of Organizations	Sept 6, 2016 & Feb 2, 2017
Methodology, Measurement, and Statistics	August 25, 2016 & January 26, 2017
Decision, Risk, & Management Sciences	January 18 & August 18

Law and Social Science

- Supports social scientific studies of law and law-like systems of rules, institutions, processes, and behaviors
- Topics can include, but are not limited to
 - research designed to enhance the scientific understanding of the impact of law
 - human behavior and interactions as these relate to law
 - the dynamics of legal decision making
 - the nature, sources, and consequences of variations and changes in legal institutions

Program Officer: Jon Gould, Helena Silverstein

Political Science

- Supports scientific research that advances knowledge and understanding of citizenship, government, and politics
- Substantive areas include, but are not limited to:
 - American government and politics
 - comparative government and politics
 - international relations
 - political behavior
 - political economy
 - political institutions
- Supports Doctoral Dissertation Research Improvement Grants



Program Officers: Brian Humes, Lee Walker

Sociology

- The Sociology program supports theoretically-grounded research on systematic patterns of social relationships that examine the causes and consequences of human behavior, social structure and social change. Studies range from micro to macro levels of interaction.
- Topics include, but are not limited to:
 - ✓ Stratification, labor markets, mobility, social change
 - ✓ Organizations, networks, economic and workplace change
 - ✓ Crime, delinquency, social organization and social control
 - ✓ Race, ethnicity, social identity/interactions, culture, education
 - ✓ Family, gender, population, migration, immigration
 - ✓ Social movements, political processes, globalization and more
- The Program supports research that uses the range of social science methodologies — experimental, quantitative, qualitative and the combinations of multiple methods—for original data collection and secondary data analysis.

Program Officers: Beth Rubin, Pat White

Economics



- Supports:
 - Both empirical and theoretical economic analysis as well as work on methods for rigorous research on economic behavior
 - Research designed to improve the understanding of the processes and institutions of the U.S. economy and of the world system of which it is a part
 - Almost all subfields of economics including: econometrics, economic history, finance, industrial organization, international economics, labor economics, public finance, macroeconomics, and mathematical economics

Program Officers: Nancy Lutz, Georgia Kosmopoulou, **Sudipta Sarangi**

Science, Technology and Society

STS considers proposals that examine questions that arise in the interactions of engineering, science, technology, and society.

There are four components:

- Ethics and Values in Science, Engineering and Technology (EVS)
- History and Philosophy of Science, Engineering and Technology (HPS)
- Social Studies of Science, Engineering and Technology (SSS)
- Studies of Policy, Science, Engineering and Technology (SPS)

The components overlap, but are distinguished by the different scientific and scholarly.

Program Officers: Fred Kronz, Linda Layne

Science of Organizations

- Supports research which uses theory combined with empirical validation
- Looks to expand the concepts, models and methodologies of change in organizations and institutions
- In FY06, IOC is particularly interested in studies that shed light on how best to organize for scientific knowledge creation when researchers must share critical resources, such as major instruments or IT infrastructure.



Program Officer: Mo Wang, Heng Xu

Methodology, Measurement, and Statistics

- Seeks proposals that are interdisciplinary in nature, methodologically innovative, and grounded in theory, such as:
 - Models and methodology for social and behavioral research
 - Statistical methodology/modeling directed towards the social and behavioral sciences
 - Methodological aspects of procedures for data collection

Program Officer: Cheryl Eavey

Decision, Risk, & Management Sciences

- Supports research that explores fundamental issues in judgment and decision making, risk analysis, management science, and organizational behavior
- Research must be relevant to an operational or applied context, grounded in theory, and based on empirical observation or subject to empirical validation



Program Officers: Robert O'Connor, Jonathan Leland

NCSES Research Opportunity and Focus

- [Research on the Science and Technology Enterprise: Statistics and Surveys](#)
- **Deadline Dates:** January 15, 2016 and annually thereafter
- **Focus**
 - Analytic and methodological research in support of its surveys, and to engage in the education and training of researchers in the use of large-scale nationally representative datasets
- **Examples**
 - Developing better indicators on R&D, S&E education and workforce, competitiveness, innovation, or globalization of S&T
 - Improved understanding of existing indicators
 - New indicators using administrative records, social media or other novel data extraction methods
 - Improving methodological approaches for NCSES surveys
 - New and improved methods for presenting statistical information on the S&T enterprise
- Program Officer: Nimmi Kannankutty (nkannank@nsf.gov)

Cross-Directorate Activities

- Serves both divisions – SES and BCS
- Administers and coordinates programs to increase underrepresented groups in science and engineering
 - Research Experiences for Undergraduates
 - Minority Postdoctoral Fellowships
- Provides information on cross-Foundation/cross-cutting programs

Program Officer: Fahmida Chowdhury

Other SBE Target/Deadline Dates

Interdisciplinary Behavioral and
Social Science Research
(IBSS)

First Tuesday in December

Resource Implementation for
Data Intensive Research in
the SBE Sciences (RIDIR)

Last Monday in February

Secure and Trustworthy
Cyberspace (SaTC)

several submission windows

NSF website:
www.nsf.gov

The image shows the homepage of the National Science Foundation (NSF) website. At the top left is the NSF logo with the tagline "National Science Foundation WHERE DISCOVERIES BEGIN". To the right is a search bar and a "QUICK LINKS" button. Below the header is a dark navigation bar with links for HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, and FASTLANE. The main content area features a large banner with a dark background and a central text box that reads "FY 2017 budget focuses on national issues" with a "FULL STORY" button below it. The banner is flanked by left and right navigation arrows and has a progress indicator at the bottom right. Below the banner is a horizontal menu with three categories: "Advancing the Sciences", "Funding & Supporting", and "Inspiring & Educating", with a "HIDE" button on the right. Underneath this menu is a grid of four news articles, each with a thumbnail image, a title, and a date:

- How gut inflammation sparks colon cancer**
February 4, 2016
- Lithium battery catalyst found to harm key soil microorganism**
February 4, 2016
- Research may explain mysterious deep earthquakes in subduction zones**
February 3, 2016
- Project embeds computer science lessons in math instruction for K-5 students**
February 2, 2016

NSF Funding & Research Community

SPECIAL NOTICES

NSF and Congress: Latest Actions

Science Policy

Currently accepting nominations and applications for the Presidential Awards for Excellence in Mathematics and Science Teaching. Nomination Deadline: April 1; Application Deadline: May 1

New Steps to Enhance Transparency and Accountability at the National Science Foundation, Important Notice No. 137, January 13, 2015

NSF releases new *Proposal & Award Policies & Procedures Guide (PAPPG)*, effective January 25, 2016

NSF Strategic Plan for FY 2014-2018

NSF Information Related to the American Recovery and Reinvestment Act of 2009

EVENT CALENDAR



17

Committee on Education and Human Resources (CEH) Teleconference

FUNDING OPPORTUNITIES

Search Funding Opportunities

GO

Search by Program Area

GO

[VIEW ALL FUNDING OPPORTUNITIES](#)



[Proposal and Award Policies and Procedures Guide](#)

[Prepare a Proposal](#)

[Upcoming Due Dates](#)

[Submit Proposal to FastLane](#)

NSF website:

www.nsf.gov

Scroll down to the bottom of the page

NSF Funding & Research Community

S
N

Select here for the SBE homepage

Science Policy

Currently accepting nominations and applications for the Presidential Awards for Excellence in Mathematics and Science Teaching. Nomination Deadline: April 1; Application Deadline: May 1

New Steps to Enhance Transparency and Accountability at the National Science Foundation, Important Notice No. 137, January 13, 2015

NSF releases new *Proposal & Award Policies & Procedures Guide (PAPPG)*, effective January 25, 2016

NSF Strategic Plan for FY 2014-2018

NSF Information Related to the American Recovery and Reinvestment Act of 2009

EVENT CALENDAR

17

Com

Look here for policy manuals like the GPG

FUNDING OPPORTUNITIES

Search Funding Opportunities

Enter search term

GO

Search by Program Area

Select One

GO

VIEW ALL FUNDING OPPORTUNITIES

Proposal and Award Policies and Procedures Guide

Prepare a Proposal

Upcoming Due Dates

Submit Proposal to FastLane

NSF website:

www.nsf.gov

Scroll down to the bottom of the page

Examples of funded projects?

- NSF makes basic information available to the public: name of the investigator, organization receiving award, the award title and abstract, and the amount awarded to date.
- Link at bottom of each funding program's web site that reads "Abstracts of Recent Awards Made Through This Program"
- Search at <http://www.nsf.gov/awardsearch/>

NSF website:
www.nsf.gov

The image shows a screenshot of the National Science Foundation (NSF) website homepage. At the top left is the NSF logo with the tagline "National Science Foundation WHERE DISCOVERIES BEGIN". To the right is a search bar with the word "SEARCH" and a magnifying glass icon. Below the logo and search bar is a dark navigation bar with white text for "HOME", "FUNDING", "AWARDS", "DISCOVERIES", "NEWS", "PUBLICATIONS", "STATISTICS", "ABOUT NSF", and "FASTLANE". The "AWARDS" link is highlighted with a red rectangular box, and a red arrow points from this box to a white callout box containing the text "Click here to search awards".

Below the navigation bar is a large banner area with a dark background and colorful scientific imagery. On the right side of the banner, there is a white text overlay that reads "17 budget focuses on national issues" and a button labeled "FULL STORY".

Below the banner is a horizontal menu with three tabs: "Advancing the Sciences", "Funding & Supporting", and "Inspiring & Educating". A "HIDE" button is located to the right of these tabs. Below the menu are four news items, each with a small image, a title, and a date:

- How gut inflammation sparks colon cancer**
February 4, 2016
- Lithium battery catalyst found to harm key soil microorganism**
February 4, 2016
- Research may explain mysterious deep earthquakes in subduction zones**
February 3, 2016
- Project embeds computer science lessons in math instruction for K-5 students**
February 2, 2016

Award Database

NSF - Award Search - Awardee Information - Mozilla Firefox

http://www.nsf.gov/awardsearch/piSearch.do;jsessionid=351069BD535740213D9B3A9F4

[Home](#) | [Funding](#) | [Awards](#) | [Discoveries](#) | [News](#) | [Publications](#) | [Statistics](#) | [About](#) | [FastLane](#)

Award Search

[Send Comments](#) | [Award Search Help](#)

[Awardee Information](#) | [Program Information](#) | [Search All Free-Text](#) | [Search All Fields](#) | [More Options](#)

Hint: The text field below 'Search Award For' searches the title, abstract, and award number fields.

Search Award For:

Restrict to Title Only:

Search Results

[Refine Search](#)

207 awards found, displaying 1 to 50.
[First/Prev] 1, 2, 3, 4, 5 [Next/Last]

Award Number	Title	NSF Organization	Program(s)	Start Date	Principal Investigator	State	Organization
0905044	NCSS/W: Substantive Expertise, Strategic Analysis and Behavioral Foundations of Terrorism	BCS		09/15/2009	Croson, Rachel	TX	University of Texas at
0904966	NSCC/W: Workshop on The Political Economy of Terrorism and Insurgency	BCS		09/15/2009	Berman, Eli	CA	University of California, Diego
	Understanding Cross-Boundary Knowledge		INFO INTEGRATION &				



Search!

QUICK LINKS

SEARCH



HOME

FUNDING

AWARDS

DISCOVERIES

NEWS

PUBLICATIONS

STATISTICS

ABOUT NSF

FASTLANE

FY 2017 budget focuses
on national issues

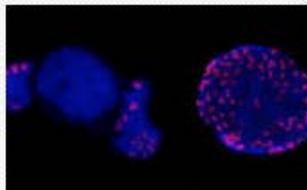
FULL STORY

Advancing the Sciences

Funding & Supporting

Inspiring & Educating

HIDE



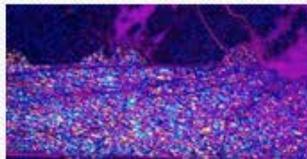
How gut inflammation sparks colon cancer

February 4, 2016



Lithium battery catalyst found to harm key soil microorganism

February 4, 2016



Research may explain mysterious deep earthquakes in subduction zones

February 3, 2016



Project embeds computer science lessons in math instruction for K-5 students

February 2, 2016

Paths to SBE Support

- Standing Program Senior Proposals
- CAREER Proposals
- Student Support (DDRIGs, REUs)
- EAGER
- RAPID
- Dear Colleague Letters
- Special Solicitations (e.g., Building Community & Capacity for Data Intensive Research in the SBE Sciences and in EHR)

Paths to SBE Support

CAREER Proposals

[CAREER Solicitation \(NSF 14-532\)](#)

- Available in all NSF programs
- Untenured faculty (or comparable)
- Single scholar award
- \$400,000, 5-years minimum award
- Three CAREER proposals lifetime limit
- Mid to late July deadline (varies by discipline and year)
- High Prestige/High Expectations
- Presidential Early Career Awards for Scientists and Engineers (PECASE)

Paths to SBE Support

Student Support

Research Experiences for Undergraduates

- Available in all programs
- Two types of awards
 - REU Supplements: Awards added onto senior awards to sponsor undergraduate student research
 - REU Sites: training programs, often in the summer months, for teaching research methods to undergrads
- RET (Research Experiences for Teachers): Gives K – 12 teachers experience in research in coordination with REU projects

Paths to SBE Support

Student Support

REU SITES (13-542)

- Supports research by faculty in predominantly undergraduate institutions through:
 - Individual and collaborative projects
 - Purchase of research instrumentation
 - Research Opportunity Awards for work with NSF-supported researchers at other institutions
- Available from all programs
- Recent NC recipients
 - Appalachian State University
 - High Point University
 - North Carolina Central University
 - Winston–Salem State University

Paths to SBE Support

Internal Merit Review

[Early-concept Grants for Exploratory Research \(EAGER\)](#)

- Exploratory work on untested, potentially transformative ideas
- High-risk, high-potential payoff
- \$300,000 maximum; 2 years
- Eight page description
- Internal review required; external optional
- *Contact program officer first*
- *"Your eagerness to get NSF funding is not a good reason to request an EAGER award."*
- *"Many programs prefer you to submit proposals that undergo merit evaluation by peers before you argue that your ideas are so innovative and unorthodox that they can't be evaluated fairly through normal evaluation processes."*

Paths to SBE Support

Internal Merit Review

Grants for Rapid Response Research (RAPID)

- Research when data are ephemeral
- \$200,000 maximum; 1 year
- 5 page project description
- Internal review required; external optional
- Available in all programs
- *Contact program officer first*
- “Wanting the money rapidly is not a good reason to request a RAPID award.”

For proposals having a severe urgency with regard to availability of, or access to data, facilities or specialized equipment, including quick-response research on natural or anthropogenic disasters and similar unanticipated events

Paths to SBE Support

Dear Colleague Letter

Dear Colleague Letters

- Official requests for research proposals on specific topics
- Often cross-disciplinary, applicable to a number of programs

Examples:

Dear Colleague Letter: Stimulating Research Related to the Science of Broadening Participation

Dear Colleague Letter: For Interdisciplinary Research Across the SBE Sciences

Dear Colleague Letter: Industry/University Cooperative Research Centers in Areas Relevant to Forensic Sciences

Paths to SBE Support

Special Solicitations

Special Solicitations

- Funding in targeted areas

Examples:

- Coupled Natural and Human Systems (CNH)
- Science of Science and Innovation Policy (SciSIP)
- Ecology and Evolution of Infectious Disease (EEID)
- Collaborative Research in Computational Neuroscience (CRCNS)
- Resource Implementations for Data-Intensive Research in the SBE Sciences (RIDIR)

Other Paths to Support

Directorate for Education and Human Resources (EHR)

- Invests in research on learning
- Facilitating the translation of research into practice
- Creates supportive learning environments

Programs

- Graduate Education (DGE)
- Research on Learning in Formal and Informal Settings (DRL)
 - Fostering Interdisciplinary Research on Education solicitation often co-funds with BCS programs
 - Promotes innovative theoretical and methodological research that facilitates greater STEM education
- Undergraduate Education (DUE)
- Human Resource Development (HRD)

Other Paths to Support

Office of International Science and Engineering (OISE)

- Promotes development of integrated international strategy
- Manages international programs
- Close partnerships with Directorate including SBE

Programs

- Catalyzing New International Collaborations
- East Asia and Pacific Summer Institutes for U.S. Graduate Students (EAPSI)
- International Research Fellowship Program (IRFP)
- Pan-American Advanced Studies Institutes Program (PASI)
- Partnerships for International Research and Education (PIRE)
 - Supports high quality research that cannot be achieved without international cooperation
- Science Across Virtual Institutes (SAVI)
 - Provides an economic mechanism for U.S. researchers to build collaborations