

National Science Foundation Funding



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Perception, Action, and Cognition
Program
March 2021





Overview

<https://nsf.gov/funding/programs.jsp?org=SBE>

https://www.nsf.gov/sbe/additional_info/sbe_opportunities_key.jsp

- How to find the right program at NSF
- Elements of a strong grant proposal
- What happens once you submit?
- Questions/discussion
- One-on-one with a PD



FIRST QUESTIONS TO ASK YOURSELF:

Q1: NSF or NIH?

Q2: If NSF, which directorate/program?





NSF OR NIH?

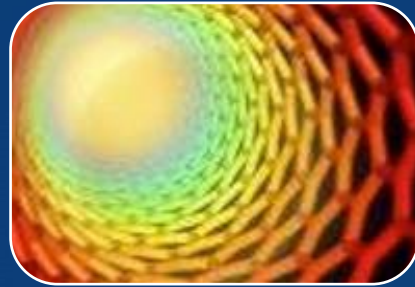
1. Basic research (sometimes with close applications) but not primarily biomedical
2. Confidentiality of reviewers and panels
3. Panels change membership frequently
4. Liberal use of external (ad hoc) reviewers – no one-size-fits-all review approach
5. Each submission is considered independent (so keep trying)
6. Panelists and external reviewers are **ADVISORY** to the Program Officers
7. Rating scales vary by program (constantly shifting)
8. Interactive: co-review and co-funding within NSF and with other agencies



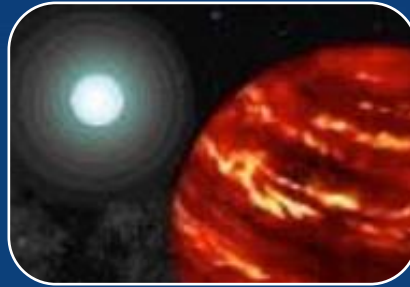
If NSF, which directorate/program?



Biological Sciences



Engineering



**Mathematical &
Physical Sciences**



**Computer &
Information Science &
Engineering**



**Geosciences (including
Polar Programs)**



Integrative Activities



**Education & Human
Resources**



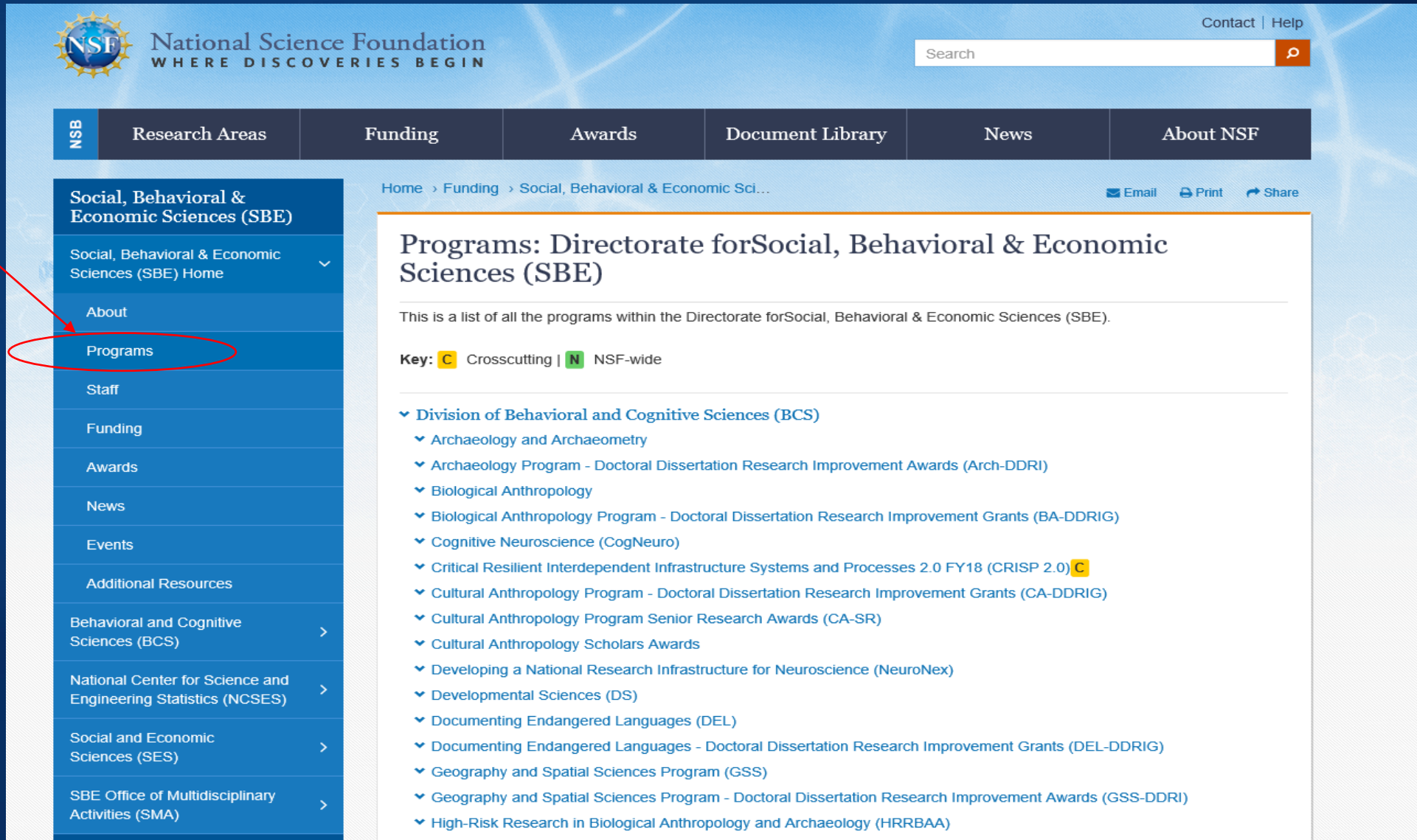
**Social, Behavioral &
Economic Sciences**



**International Science
and Engineering**



Most common for this audience: SBE



The screenshot displays the NSF website's navigation structure. At the top, the NSF logo and tagline 'WHERE DISCOVERIES BEGIN' are visible, along with a search bar and 'Contact | Help' link. A main navigation bar includes 'NSB', 'Research Areas', 'Funding', 'Awards', 'Document Library', 'News', and 'About NSF'. The left sidebar is titled 'Social, Behavioral & Economic Sciences (SBE)' and contains several menu items. The 'Programs' item is circled in red, with a red arrow pointing to it from the left. The main content area shows the breadcrumb 'Home > Funding > Social, Behavioral & Economic Sci...' and the page title 'Programs: Directorate for Social, Behavioral & Economic Sciences (SBE)'. Below the title, there is a key indicating 'C' for Crosscutting and 'N' for NSF-wide. A list of programs follows, including 'Division of Behavioral and Cognitive Sciences (BCS)' and various research programs like 'Archaeology and Archaeometry', 'Biological Anthropology', and 'Cognitive Neuroscience'.

NSF National Science Foundation WHERE DISCOVERIES BEGIN

Contact | Help

Search

NSB Research Areas Funding Awards Document Library News About NSF

Home > Funding > Social, Behavioral & Economic Sci... Email Print Share

Social, Behavioral & Economic Sciences (SBE)

- Social, Behavioral & Economic Sciences (SBE) Home
- About
- Programs
- Staff
- Funding
- Awards
- News
- Events
- Additional Resources
- Behavioral and Cognitive Sciences (BCS)
- National Center for Science and Engineering Statistics (NCSES)
- Social and Economic Sciences (SES)
- SBE Office of Multidisciplinary Activities (SMA)

Programs: Directorate for Social, Behavioral & Economic Sciences (SBE)

This is a list of all the programs within the Directorate for Social, Behavioral & Economic Sciences (SBE).

Key: **C** Crosscutting | **N** NSF-wide

- Division of Behavioral and Cognitive Sciences (BCS)
 - Archaeology and Archaeometry
 - Archaeology Program - Doctoral Dissertation Research Improvement Awards (Arch-DDRI)
 - Biological Anthropology
 - Biological Anthropology Program - Doctoral Dissertation Research Improvement Grants (BA-DDRIG)
 - Cognitive Neuroscience (CogNeuro)
 - Critical Resilient Interdependent Infrastructure Systems and Processes 2.0 FY18 (CRISP 2.0) **C**
 - Cultural Anthropology Program - Doctoral Dissertation Research Improvement Grants (CA-DDRIG)
 - Cultural Anthropology Program Senior Research Awards (CA-SR)
 - Cultural Anthropology Scholars Awards
 - Developing a National Research Infrastructure for Neuroscience (NeuroNex)
 - Developmental Sciences (DS)
 - Documenting Endangered Languages (DEL)
 - Documenting Endangered Languages - Doctoral Dissertation Research Improvement Grants (DEL-DDRIG)
 - Geography and Spatial Sciences Program (GSS)
 - Geography and Spatial Sciences Program - Doctoral Dissertation Research Improvement Awards (GSS-DDRI)
 - High-Risk Research in Biological Anthropology and Archaeology (HRRBAA)

Once you've narrowed it down: Look at the program webpage

Developmental Sciences (DS)

CONTACTS

Name	Email	Phone	Room
Chalandra Bryant - Program Director	cbryant@nsf.gov	(703) 292-8457	995-39
Kenyatta Johnson - Pgm. Specialist	kenjohns@nsf.gov	(703) 292-4850	

PROGRAM GUIDELINES

Apply to PD 08-1698 as follows:

For full proposals submitted via FastLane: standard [NSF Proposal & Award Policies & Procedures Guide](#) proposal preparation guidelines apply.

For full proposals submitted via Grants.gov: the [NSF Grants.gov Application Guide: A Guide for the Preparation and Submission of NSF Applications via Grants.gov Guidelines](#) applies. (Note: The [NSF Grants.gov Application Guide](#) is available on the Grants.gov website and on the NSF website at: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=grantsgovguide)

Important Information for Proposers

ATTENTION: Proposers using the Collaborators and Other Affiliations template for more than 10 senior project personnel will encounter proposal print preview issues. Please see the [Collaborators and Other Affiliations Information website](#) for updated guidance.

A revised version of the [NSF Proposal & Award Policies & Procedures Guide \(PAPPG\)](#) (NSF 18-1), is effective for proposals submitted, or due, on or after January 29, 2018. Please be advised that, depending on the specified due date, the guidelines contained in NSF 18-1 may apply to proposals submitted in response to this funding opportunity.

DUE DATES

Full Proposal Target Date
January 15, 2019
January 15, Annually Thereafter
July 15, 2019

Who is the Program Director?

How do you contact the Program Director?

How do you apply?
Program Description vs. Solicitation

When do you apply?

Target date or deadline?

Think you already know?
THINK AGAIN! Things change **OFTEN** so don't assume!



Program Page: (scrolling down....)

How do I know if my research is relevant to a particular program?

FAQs?

Click this!

SYNOPSIS

DS supports basic research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to human development across the lifespan. Research supported by this program will add to our knowledge of the underlying developmental processes that support social, cognitive, and behavioral functioning, thereby illuminating ways for individuals to live productive lives as members of society.

DS supports research that addresses developmental processes within the domains of cognitive, social, emotional, and motor development across the lifespan by working with any appropriate populations for the topics of interest including infants, children, adolescents, adults, and non-human animals. The program also supports research investigating factors that affect developmental change including family, peers, school, community, culture, media, physical, genetic, and epigenetic influences. Additional priorities include research that: incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches; develops new methods, models, and theories for studying development; includes participants from a range of ethnicities, socioeconomic backgrounds, and cultures; and integrates different processes (e.g., memory, emotion, perception, cognition), levels of analysis (e.g., behavioral, social, neural), and time scales.

The budgets and durations of supported projects vary widely and are greatly influenced by the nature of the project. Investigators should focus on innovative, potentially transformative research plans and then develop a budget to support those activities, rather than starting with a budget number and working up to that value.

While there are no specific rules about budget limitations, a typical project funded through the DS program is approximately 3 years in duration with a total cost budget, including both direct and indirect costs, between \$100,000 and \$200,000 per year. Interested applicants are urged to explore the NSF awards database for the DS program to review examples of awards that have been made.

The DS program also accepts proposals for workshops and small conferences. These typically have total cost budgets, including direct and indirect costs, of approximately \$35,000.

In addition to consulting the NSF awards database, it is often useful for interested applicants to submit (via email) a summary of no more than one page so that the Program Director can advise the investigator on the fit of the project for DS prior to preparation of a full proposal. New Investigators are encouraged to solicit assistance in the preparation of their project proposals via consultation with senior researchers in their area, pre-submission review by colleagues, and attendance at symposia and events at professional conferences geared towards educating investigators seeking federal funding.

RELATED PROGRAMS

[Facilitating Research at Primarily Undergraduate Institutions:](#)

[Faculty Early Career Development Program](#)

[What Has Been Funded \(Recent Awards Made Through This Program, with Abstracts\)](#)

[Map of Recent Awards Made Through This Program](#)

[News](#)



Awards recently made by that Program

Export up to 3,000 Awards: [CSV](#) | [XML](#) | [Excel](#) | [Text](#) [Email this Link](#) | [Export All Results](#)

Sort By: Results size: Table List Page 1 of 4 Displaying 1 - 30 of 119

Adolescent Information Management with Parents and Siblings Award Number:1451757; Principal Investigator:Nicole Campione Barr; Co-Principal Investigator:David Schramm, Sarah Killoren; Organization:University of Missouri-Columbia;NSF Organization:BCS Start Date:07/01/2015; Award Amount:\$273,098.00; Relevance:48.0;
Collaborative Research: Stress, Academic Outcomes, and Health Outcomes among Language Brokers Award Number:1651128; Principal Investigator:Su Yeong Kim; Co-Principal Investigator:Belem Lopez; Organization:University of Texas at Austin;NSF Organization:BCS Start Date:06/15/2017; Award Amount:\$505,844.00; Relevance:48.0;
Collaborative Research: Stress, Academic Outcomes, and Health Outcomes among Language Brokers Award Number:1651138; Principal Investigator:Katharine Zeiders; Co-Principal Investigator;; Organization:University of Arizona;NSF Organization:BCS Start Date:06/15/2017; Award Amount:\$34,053.00; Relevance:48.0;
Expanding access to webcam-based online data collection for developmental research Award Number:1823919; Principal Investigator:Kimberly Scott; Co-Principal Investigator:Laura Schulz; Organization:Massachusetts Institute of Technology;NSF Organization:BCS Start Date:09/01/2018; Award Amount:\$584,445.00; Relevance:48.0;
CAREER: Discovering the Underpinnings of Statistical Language Learning in Infants Award Number:1352443; Principal Investigator:Jill Lany; Co-Principal Investigator;; Organization:University of Notre Dame;NSF Organization:BCS Start Date:03/01/2014; Award Amount:\$765,239.00; Relevance:48.0;
Neural measures of social reward and information value in infants Award Number:1627068; Principal Investigator:Rebecca Saxe; Co-Principal Investigator;; Organization:Massachusetts Institute of Technology;NSF Organization:BCS Start Date:07/15/2016; Award Amount:\$600,000.00; Relevance:48.0;
Exploring the relation between non-spatial skills and mental rotation from infancy to preK Award Number:1823489; Principal Investigator:Marianella Casasola; Co-Principal Investigator:Lisa Oakes, Vanessa LoBue, Felix Thoemmes; Organization:Cornell University;NSF Organization:BCS Start Date:09/01/2018; Award Amount:\$756,655.00; Relevance:48.0;
A Lifespan Conceptual Model of Ethnic-Racial Identity Award Number:1729711; Principal Investigator:Esther Calzada; Co-Principal Investigator:Adriana Umana-Taylor; Organization:University of Texas at Austin;NSF Organization:BCS Start Date:10/01/2017; Award Amount:\$24,369.00; Relevance:48.0;
After-School Activities: Identifying Risk and Protective Factors for Community Violence Exposure Award Number:1348957; Principal Investigator:Rosario Ceballo; Co-Principal Investigator:Jacquelynne Eccles; Organization:University of Michigan Ann Arbor;NSF Organization:BCS Start Date:09/01/2014; Award Amount:\$474,997.00; Relevance:48.0;
The Development of Relational Processing in Infancy Award Number:1729720; Principal Investigator:Susan Hespous; Co-Principal Investigator:Dedre Gentner, Kenneth Forbus; Organization:Northwestern University;NSF Organization:BCS Start Date:08/15/2017; Award Amount:\$596,080.00; Relevance:48.0;
SBE-RCUK: CompCog: Modeling the Development of Phonetic Representations Award Number:1734245; Principal Investigator:Naomi Feldman; Co-Principal Investigator;; Organization:University of Maryland College Park;NSF Organization:BCS Start Date:09/01/2017; Award Amount:\$520,058.00; Relevance:48.0;
Motor Exploration and Motor Learning During Child Development Award Number:1654929; Principal Investigator:Mei-Hua Lee; Co-Principal Investigator:Ferdinando Mussa-Ivaldi; Organization:Michigan State University;NSF Organization:BCS Start Date:03/01/2017; Award Amount:\$349,106.00; Relevance:48.0;
Collaborative Research: Science of Learning Center: Visual Language and Visual Learning (VL2) Award Number:1041725; Principal Investigator:Thomas Allen; Co-Principal Investigator:Laura-Ann Petitto; Organization:Gallaudet University;NSF Organization:SMA Start Date:10/01/2011; Award Amount:\$8,864,066.00; Relevance:48.0;
RR: Collaborative: Origins of Intergroup Perceptions and Attitudes Across Diverse Contexts Award Number:1728300; Principal Investigator:Kristin Pauker; Co-Principal Investigator;; Organization:University of Hawaii;NSF Organization:BCS Start Date:08/01/2017; Award Amount:\$90,121.00; Relevance:48.0;
Supporting Undergraduate Participation at the International Conference on Infant Studies: 2016-2020 Award Number:1551122; Principal Investigator:Martha Arterberry; Co-Principal Investigator:Samuel Putnam; Organization:Colby College;NSF Organization:BCS Start Date:03/01/2016; Award Amount:\$22,500.00; Relevance:48.0;

What has been funded through a particular program?

Click on a title to get the abstract



Abstracts of Awards Recently Made

You can review the abstracts of awards made through a particular program.

Program Manager:	Chalandra Bryant BCS Division Of Behavioral and Cognitive Sci SBE Direct For Social, Behav & Economic Scie
Start Date:	September 1, 2018
End Date:	August 31, 2021 (Estimated)
Awarded Amount to Date:	\$756,655.00
Investigator(s):	Marianella Casasola mc272@cornell.edu (Principal Investigator) Lisa Oakes (Co-Principal Investigator) Vanessa LoBue (Co-Principal Investigator) Felix Thoemmes (Co-Principal Investigator)
Sponsor:	Cornell University 373 Pine Tree Road Ithaca, NY 14850-2820 (607)255-5014
NSF Program(s):	DS - Developmental Sciences
Program Reference Code(s):	1698
Program Element Code(s):	1698

ABSTRACT

Mental rotation, the ability to mentally manipulate a visual representation of an object and recognize its appearance from a different orientation, shows stability from infancy through preschool. This ability predicts mathematical achievement in kindergarten and beyond as well as entry into the Science, Technology, Engineering, and Mathematics (STEM) fields. The present work focuses on identifying how non-spatial processes contribute to mental rotation abilities. Findings will help identify ideal time points for intervention, advance understanding of the factors that contribute to mental rotation, and address how individual differences in mental rotation during infancy predict later abilities. This work will involve the creation and refinement of measures that can be used to trace the development of mental rotation from infancy into preschool; thereby, not only contributing new tools to the field, but also yielding insights that can inform current theoretical conceptions of mental rotation and its relation to non-spatial processes.

The critical research question is as follows: What are the non-spatial processes that contribute to mental rotation abilities and their development? Associations between mental rotation, object features, processing bias, and motor experience will be examined using a cross-sequential design with overlapping age cohorts. The investigators will recruit an infant cohort at 8 months, a toddler cohort at 20 months, and a preschool cohort at 3 years. Each cohort will be assessed at three time points -- every six months for infants (i.e., 8, 14, and 20 months), every 8 months for toddlers (i.e., 20, 28, and 36 months), and every year for preschoolers (3, 4, and 5 years). When examined at a specific age, the sample will provide a snapshot into the association between mental rotation and non-spatial skills (i.e., object features, processing bias, and motor experience). The longitudinal design will allow the investigators to follow participants across infancy, toddlerhood, or the preschool years. This approach provides an opportunity to understand how non-spatial skills, such as more precocious motor skills during infancy,

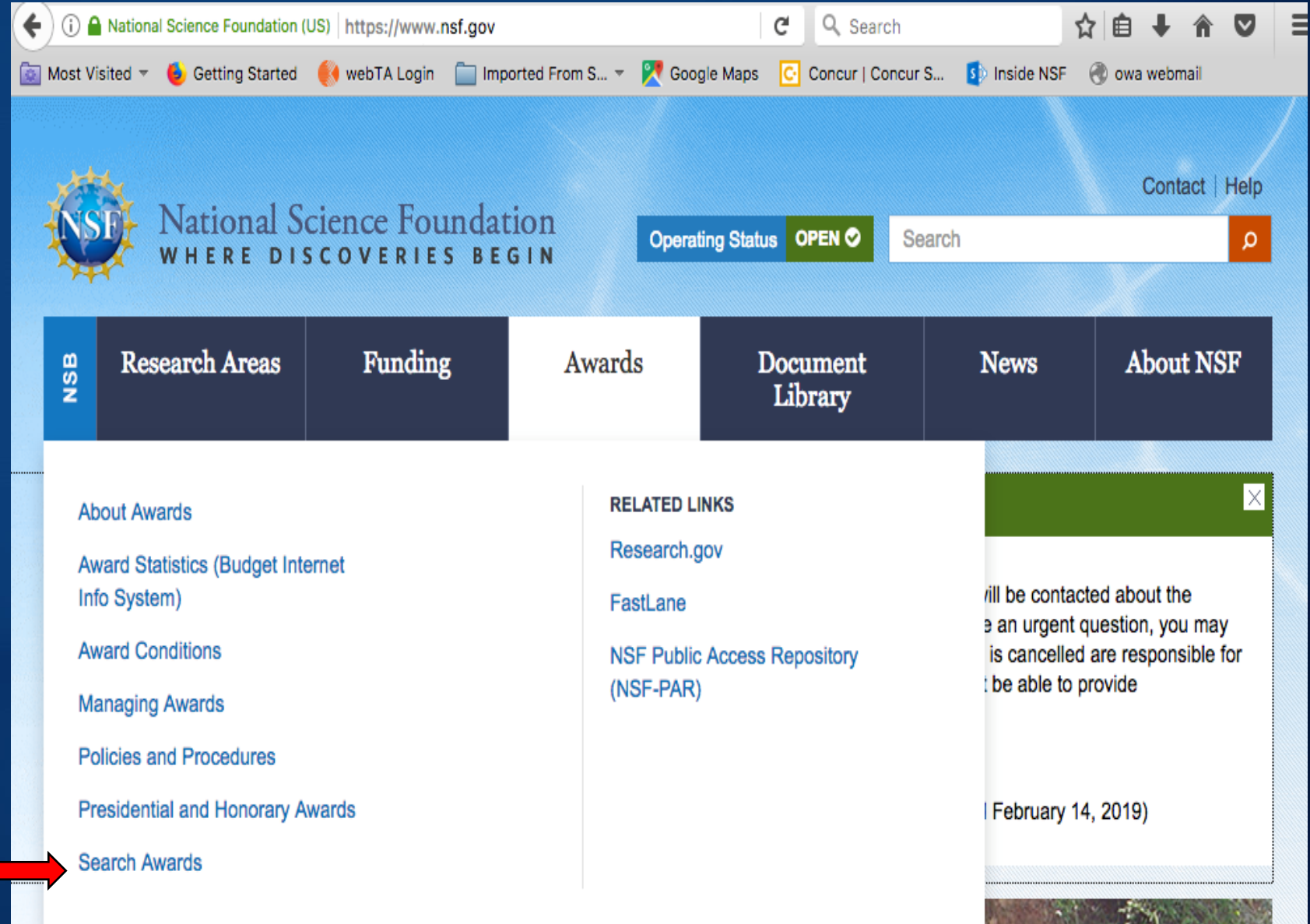
Note:

- Program Manager
- Duration
- Awarded amount
- Co-funded?
- “Program Element code”



Another route:

Awards database



The screenshot shows the NSF website with the 'Awards' menu open. A red arrow points to the 'Search Awards' option. The browser address bar shows 'https://www.nsf.gov'. The NSF logo and tagline 'WHERE DISCOVERIES BEGIN' are visible. The 'Operating Status' is 'OPEN'. The navigation menu includes 'Research Areas', 'Funding', 'Awards', 'Document Library', 'News', and 'About NSF'. The 'Awards' dropdown menu contains: 'About Awards', 'Award Statistics (Budget Internet Info System)', 'Award Conditions', 'Managing Awards', 'Policies and Procedures', 'Presidential and Honorary Awards', and 'Search Awards'. A 'RELATED LINKS' section includes 'Research.gov', 'FastLane', and 'NSF Public Access Repository (NSF-PAR)'. A notification box on the right states: 'You will be contacted about the... if you have an urgent question, you may... If your request is cancelled are responsible for... you will be able to provide... (February 14, 2019)'.

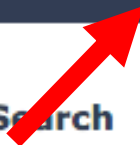




HOME

RESEARCH AREAS FUNDING AWARDS DOCUMENT LIBRARY NEWS ABOUT NSF

Simple Search **Advanced Search** Popular Searches Download Awards Send Comments Award Search Help



Awards Simple Search

[Overview of Award Search Features](#)

Search award for:

Search

Use double quotes for exact search. For example "water vapor".

Active Awards

Expired Awards

Feedback ▶

FOLLOW US



[See all NSF social media ▶](#)





Awards Advanced Search

[Overview of Award Search Features](#)

Awardee Information

<input type="text" value="Principal Investigator First Name"/>	<input type="text" value="Organization"/>
<input type="text" value="Principal Investigator Last Name"/>	<input type="text" value="State"/>
<input type="checkbox" value="Include Co-Principal Investigator in name search"/>	<input type="text" value="Zip Code"/>
	<input type="text" value="Country"/>

Program Information

<input type="text" value="NSF Organization"/>	<input type="text" value="Program"/>
<input type="text" value="Element Code"/>	<input type="text" value="Program Officer"/>
<input type="text" value="Reference Code"/>	

HINT: The "Program" box searches both program element and program reference names and codes.

Additional Information

<input type="text" value="Keyword"/>	<input type="checkbox" value="Active Awards"/>	<input type="checkbox" value="Expired Awards"/>
<input type="text" value="Award Number"/>	<input type="text" value="Original Award Date"/>	<input type="text" value="Start Date"/>
<input type="text" value="Award Amount"/>	<input type="text" value="End Date"/>	

HINT: The Keyword field searches on the title and abstract only.

HINT: Data prior to 1976 may be less complete.

Identifies the program



Advanced Search Results

You Searched For:

Keyword visual attention

Active Awards true

Refined by

Refine Search

State

- Alaska(17)
- Alabama(27)
- Arkansas(15)
- Arizona(111)
- California(461)
- Show More ...

Country

- Non US(2)
- US(3904)

NSF Organization

- Office Of The Director(31)
- Direct For Mathematical & Physical Scien(597)
- Direct For Social, Behav & Economic Scie(503)
- Direct For Computer & Info Scie & Engrnr(1043)
- Directorate For Geosciences(355)
- Directorate For Engineering(590)
- Direct For Biological Sciences(393)
- Direct For Education and Human Resources(394)

Award Amount

- Less than or equal \$50,000(213)
- Between \$50,001 - \$100,000(199)
- Between \$100,001 - \$500,000(2277)
- Between \$500,001 - \$1,000,000(756)
- More than \$1,000,000(461)

Award Instrument

- Standard Grant(2800)
- Continuing Grant(1043)
- Cooperative Agreement(44)
- Fellowship(19)

Export up to 3,000 Awards: CSV XML Excel Text

Sort By: Relevance Results size: Page 1 of 100

30 per page Table List

A maximum of 3,000 results are displayed. If you did not find the information you are looking for, please refine your search.

- Intrusive Effects of Task Irrelevant Semantic Information on Visual Selective Attention**
Award Number:1534823; Principal Investigator:Sarah Shomstein; Co-Principal Investigator:; Organization:George Washington University;NSF Organization:BCS Start Date:09/01/2015; Award Amount:\$587,233.00; Relevance:47.64;
- Collaborative Proposal: Visual Attention in an Invertebrate Predator**
Award Number:1656714; Principal Investigator:Elizabeth Jakob; Co-Principal Investigator:; Organization:University of Massachusetts Amherst;NSF Organization:IOS Start Date:04/15/2017; Award Amount:\$333,334.00; Relevance:47.64;
- Collaborative Proposal: Visual Attention in an Invertebrate Predator**
Award Number:1656385; Principal Investigator:Ronald Hoy; Co-Principal Investigator:; Organization:Cornell University;NSF Organization:IOS Start Date:04/15/2017; Award Amount:\$240,000.00; Relevance:47.64;
- CompCog: Bridging the gap between behavioral and neural correlates of attention using a computational model of neural mechanisms**
Award Number:1734220; Principal Investigator:Bradley Wyble; Co-Principal Investigator:; Organization:Pennsylvania State Univ University Park;NSF Organization:BCS Start Date:08/01/2017; Award Amount:\$390,711.00; Relevance:46.66;
- Threat Vigilance in Visual Attention Biases Legal Decision Making**
Award Number:1525539; Principal Investigator:Emily Balcetis; Co-Principal Investigator:; Organization:New York University;NSF Organization:BCS Start Date:09/01/2015; Award Amount:\$429,047.00; Relevance:46.66;
- RI: Medium: Inverse Reinforcement Learning for Human Attention Modeling**
Award Number:1763981; Principal Investigator:Minh Hoai Nguyen; Co-Principal Investigator:Gregory Zelinsky, Dimitrios Samaras; Organization:SUNY at Stony Brook;NSF Organization:IIS Start Date:06/15/2018; Award Amount:\$1,198,950.00; Relevance:46.66;
- Effects of Maternal and Paternal Responsiveness on Infant Attention and Language Development**
Award Number:1525966; Principal Investigator:Julie Gros-Louis; Co-Principal Investigator:; Organization:University of Iowa;NSF Organization:BCS Start Date:08/15/2015; Award Amount:\$230,381.00; Relevance:46.66;
- Controlling Attention Within the Fovea**
Award Number:1819551; Principal Investigator:Martina Poletti; Co-Principal Investigator:; Organization:University of Rochester;NSF Organization:BCS Start Date:09/01/2017; Award Amount:\$202,515.00; Relevance:46.15;
- CAREER: Collaboratively Perceiving, Comprehending, and Projecting into the Future: Supporting Team Situational Awareness with Adaptive Multimodal Displays**
Award Number:1750850; Principal Investigator:Sara Riggs; Co-Principal Investigator:; Organization:Clemson University;NSF Organization:IIS Start Date:07/01/2018; Award Amount:\$105,566.00; Relevance:46.0;
- Operationalization of Visualization via Deconstruction**
Award Number:1500286; Principal Investigator:Maria Oliver-Hoyo; Co-Principal Investigator:; Organization:North Carolina State University;NSF Organization:DUE Start Date:09/01/2015; Award Amount:\$258,769.00; Relevance:45.97;
- Visual Attention and Categorization in Infancy**
Award Number:1749541; Principal Investigator:Gregory Reynolds; Co-Principal Investigator:; Organization:University of Tennessee Knoxville;NSF Organization:BCS Start Date:02/15/2018; Award Amount:\$536,139.00; Relevance:45.65;





Awards


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[Presidential and Honorary Awards](#)
[About Awards](#)

How to Manage Your Award

[Grant Policy Manual](#)
[Grant General Conditions](#)
[Cooperative Agreement Conditions](#)
[Special Conditions](#)
[Federal Demonstration Partnership](#)
[Policy Office Website](#)


Award Abstract #1656714

Collaborative Proposal: Visual Attention in an Invertebrate Predator

NSF Org:	IOS Division Of Integrative Organismal Systems
Initial Amendment Date:	April 5, 2017
Latest Amendment Date:	April 13, 2018
Award Number:	1656714
Award Instrument:	Continuing grant
Program Manager:	Sridhar Raghavachari IOS Division Of Integrative Organismal Systems BIO Direct For Biological Sciences
Start Date:	April 15, 2017
End Date:	March 31, 2020 (Estimated)
Awarded Amount to Date:	\$333,334.00
Investigator(s):	Elizabeth Jakob ejacob@psych.umass.edu (Principal Investigator)
Sponsor:	University of Massachusetts Amherst Research Administration Building Hadley, MA 01035-9450 (413)545-0698
NSF Program(s):	ACTIVATION
Program Reference Code(s):	9178, 9179
Program Element Code(s):	7713

ABSTRACT

All visual animals face the problem of distinguishing relevant from distracting stimuli quickly and efficiently. One way that visual systems accomplish this task is through selective attention, where an animal attends to a portion of the available visual stimuli at a time. Tiny jumping spiders have microminiature eyes that are nearly as acute as a human's and, like humans, pays attention and discriminates among visual targets. This project investigates how jumping spiders pay attention to and identify moving visual objects. The simplicity of the jumping spider eye and brain makes it easier to learn how





Contact a PD to see if you've identified the right program

Introduce yourself *via e-mail (don't cold call)*. Follow-up after a week or two.

- What's your training, your expertise?
- What level of appointment do you have? Where?

Summarize your proposed research in a 1- or 2- pager

- What is your research question?
- Theoretical framing
- How will you try to answer it?
- Why would anyone care? Impact?

Email all potentially relevant PDs in ONE email with everyone cc'd





While looking for the right program:



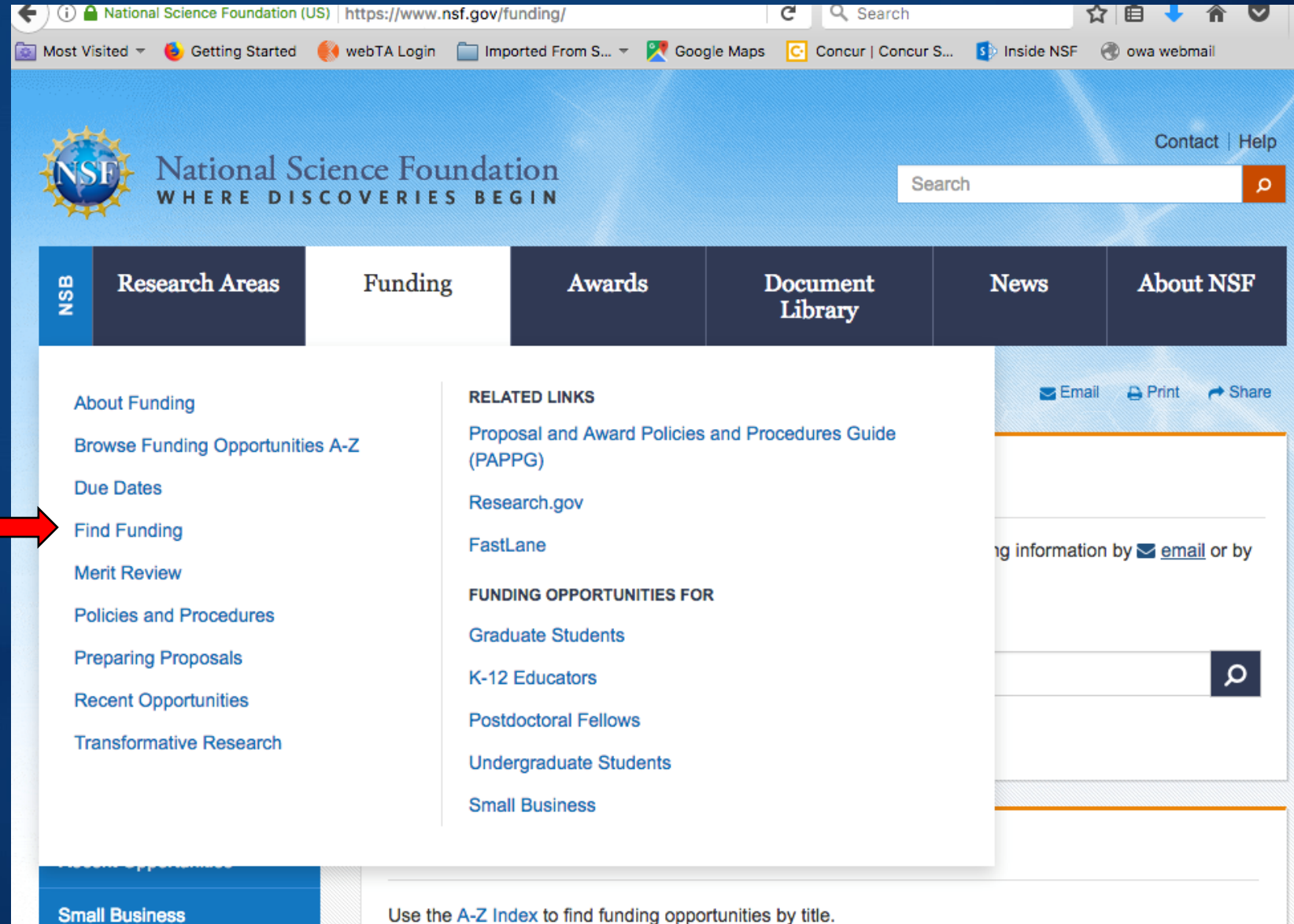
- Ask other PIs (friends/mentors) for copies of their successful proposals.
- Volunteer to be an adhoc reviewer
- Accept adhoc review requests.
- Things change often so don't assume you know!
- Line up colleagues willing to comment on proposal drafts
- Sign up for NSF alerts or program emails.

Give yourself plenty of **TIME**.



Get notified about new opportunities, etc.!

1. Sign up for “Get NSF Updates by Email”



The screenshot shows the NSF website's 'Funding' page. The 'Funding' menu item is selected, opening a dropdown menu. A red arrow points to the 'Find Funding' link in the dropdown. The dropdown menu contains the following items:

- About Funding
- Browse Funding Opportunities A-Z
- Due Dates
- Find Funding
- Merit Review
- Policies and Procedures
- Preparing Proposals
- Recent Opportunities
- Transformative Research

On the right side of the dropdown menu, there are sections for 'RELATED LINKS' and 'FUNDING OPPORTUNITIES FOR'.

RELATED LINKS

- Proposal and Award Policies and Procedures Guide (PAPPG)
- Research.gov
- FastLane

FUNDING OPPORTUNITIES FOR

- Graduate Students
- K-12 Educators
- Postdoctoral Fellows
- Undergraduate Students
- Small Business

At the bottom of the page, there is a search bar and a footer with the text: 'Use the A-Z Index to find funding opportunities by title.'





Funding

About Funding

Browse Funding
Opportunities A-Z

Due Dates

Find Funding

Merit Review

Policies and Procedures

Preparing Proposals

Recent Opportunities

Small Business

Transformative Research

Home > Funding



Email





Print



Share

Find Funding

You can also find NSF funding opportunities at [Grants.gov](https://www.Grants.gov). Get NSF funding information by  [email](#) or by  [RSS](#).

Enter Your Search Term

Keyword or Title



[Advanced Funding Search](#) | [Search Tips](#)

A-Z Index

Use the [A-Z Index](#) to find funding opportunities by title.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	
V	W	X	Y	Z																	

Research Areas



Some Programs
have a sign up
on their
webpage.

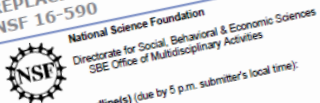


You found the right program: NOW Print and READ!!!

SBE Postdoctoral Research Fellowships (SPRF)

PROGRAM SOLICITATION
NSF 17-588

REPLACES DOCUMENT(S):
NSF 16-590



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

November 01, 2017

October 06, 2018

Second Tuesday in October, Annually Thereafter

IMPORTANT INFORMATION AND REVISION NOTES

The FY 2018 solicitation underwent minor revisions to clarify the requirements of the solicitation and decrease burden on applicants.

- Eligibility information has been revised. Specification that the doctoral degree be obtained in the SBE sciences and justification for remaining at one's doctoral-granting institution were added.
- The sponsoring scientist must be listed as a Co-PI on the proposal's Cover Sheet.
- Award tenure start dates were amended to include the 15th of the month.
- The requirement for two reference letters on the Fellowship candidate has been removed.
- Guidance for registering as an individual in FastLane and completing the Cover Sheet, Project Summary, Project Description, Budget Sheet, Budget Justification, Current and Pending Support, the Postdoctoral Mentoring Plan, and the new Collaborators and Other Affiliations information template were added.

Any proposal submitted in response to this solicitation should be submitted in accordance with the revised NSF Proposal & Award Policies & Procedures Guide (PAPPG) (NSF 18-1), which is effective for proposals submitted, or due, on or after January 29, 2018.

SUMMARY OF PROGRAM REQUIREMENTS

General Information

Program Title:
SBE Postdoctoral Research Fellowships (SPRF)

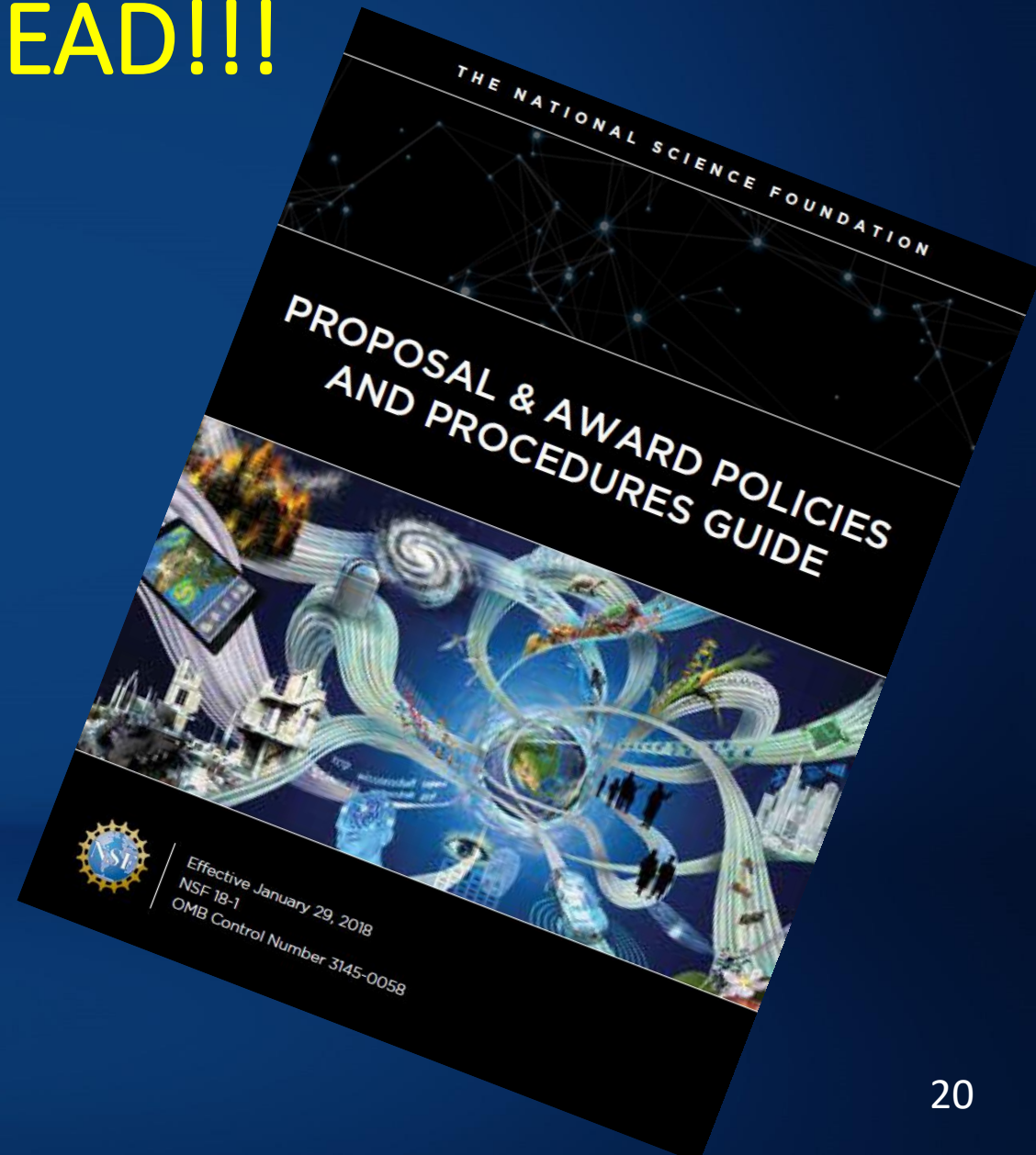
Synopsis of Program:

The Directorate for Social, Behavioral and Economic Sciences (SBE) offers Postdoctoral Research Fellowships to encourage independence early in the Fellow's career through supporting his or her research and training goals. The research and training plan of each Fellowship must address important scientific questions within the scope of the SBE Directorate and the specific guidelines in this solicitation. The SPRF program offers two tracks: (I) Fundamental Research in the SBE Sciences (SPRF-FR) and (II) Broadening Participation in the SBE Sciences (SPRF-BP). See the full text of the solicitation for a detailed description of these tracks.

Cognizant Program Officer(s):

Please note that the following information is current at the time of publishing. See program website for any updates to the points of contact.

- Josie S. Welkom - Acting Program Officer, telephone: (703) 292-7376, email: jwelkom@nsf.gov



Next steps?

- Email or visit your Sponsored Research Office
- Get a Fastlane/research.gov ID, log in, start on required documents
- Create a budget draft for your chair and SRO to make sure that all necessary costs are included
- Find out internal timelines for approvals

Plan for everything taking longer!

Be nice to your SRO

Be nice to your SRO



Proposal Budget

- Doing the budget early helps define the scope of the proposed work.
- Follow the PAPPG, the different budget categories, and what they allow.
- Check the range of award sizes for the program
 - (NSF.gov>award search or link from program home page)
- Personnel costs (PI salary, graduate assistantships, postdocs) add up quickly with fringe and IDC
- Work with your SRO to know what costs are allowable, what costs are required (for example, fringe or tuition), and what the final total will be once IDC is calculated



Intellectual Merit: the potential to advance knowledge

- Will the proposed activity advance basic science, knowledge, and understanding within its own field or across different fields?
- Is the project likely to be successful?
 - Qualifications of the proposer/ team
 - Sufficient access to resources
- To what extent does the proposed activity explore creative and original concepts?
- How well-conceived and organized is the proposed activity?



Broader Impacts: the potential to benefit society.

<https://www.nsf.gov/pubs/2021/nsf21059/nsf21059.jsp>

- Demonstrate societal impacts with specificity
- Disseminate results broadly to enhance scientific and technological understanding
- Make data/code publicly available when applicable/appropriate
- Enhance the infrastructure for research and education, such as facilities, instrumentation, networks and partnerships
- Broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.)
- Promote teaching, training and learning ETC!



What Makes a Proposal Competitive?

- Original and timely ideas
- Sound scientific rationale/theoretical basis with relevant lit review
- Critical approach with alternative explanations considered
- Likely high impact
- Succinct, focused, *detailed* project plan
- Broader impacts developed, not just listed
- Experience in essential methodology. If not, then pilot data.
- Pilot data (that support the hypothesis)
- Realistic timeline and budget
- If the experiments “work,” will anyone care? **IMPACT**



Common Pitfalls that may lead to RWR

- Not responsive to the solicitation or Program Announcement
- Overlooks key aspects of the program announcement and requirements (e.g., interdisciplinarity of team; budget size; etc.)
- Not compliant (font size, >15 pages, inappropriate letters of support/collaboration, etc.)
- Failure to include solicitation-specific documents
- Submitted after 5pm local time on the deadline date
- Submitted to the wrong program and we can't transfer for some reason



Your Institution Submits the Proposal - Not You!

Why Research.gov (vs. FastLane)?

- Compliance checks for fonts, margins, and line spacing
- Passes info among forms
- Real-time compliance feedback and alerts
- FAST document uploads
- Embedded video job aids and PAPPG guidance
- **BUT some things not yet implemented in research.gov**

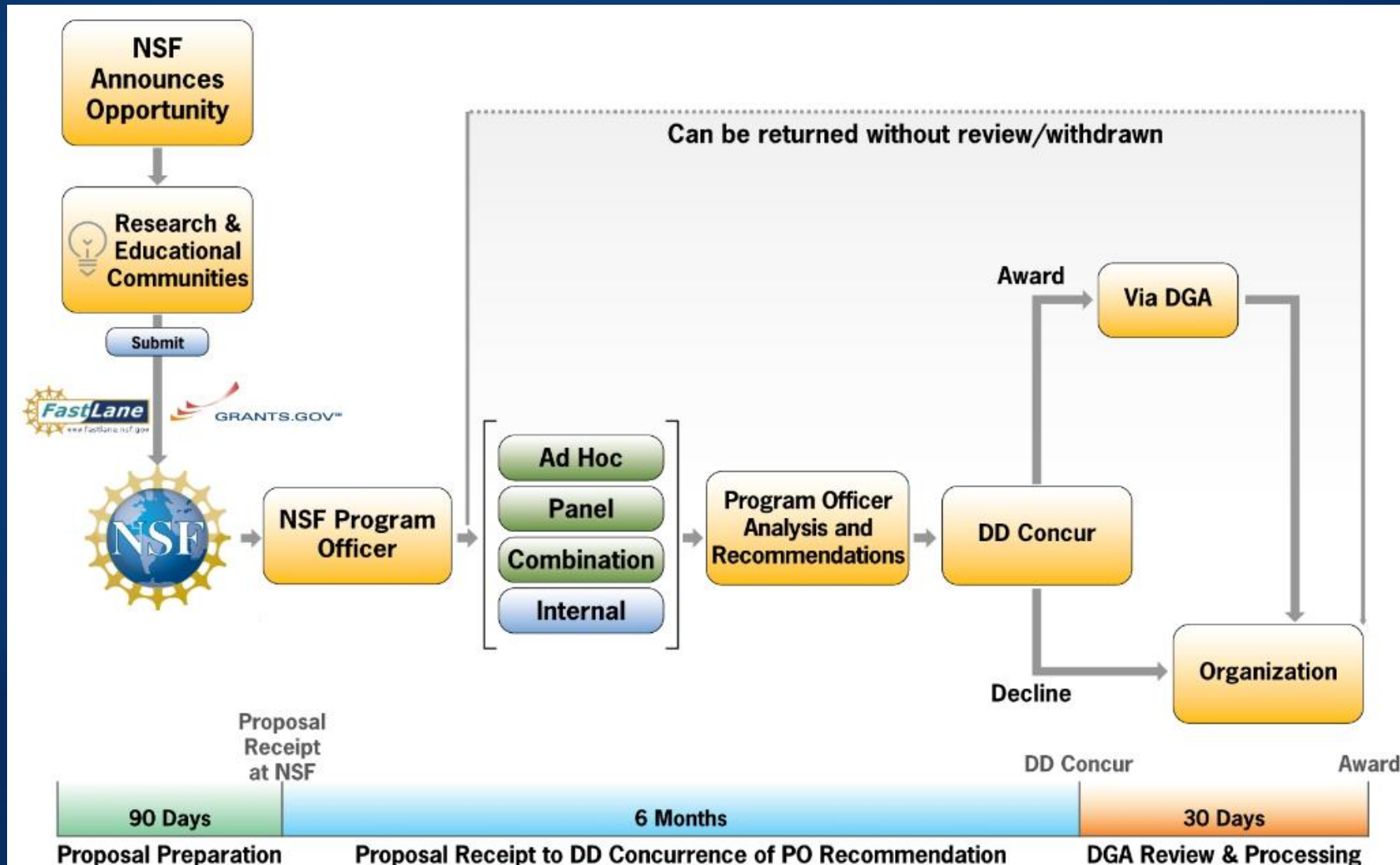


FINAL STEP

- Download the proposal from NSF and check it!!
 - Don't rely on what you uploaded.
 - READ what NSF thinks you actually submitted!!



What happens once your SRO submits your proposal?



* There are some exceptions to submission procedures (e.g., individual awards such as postdoctoral fellowships)



Feedback from Merit Review

- Verbatim anonymized reviews (ratings: E, V, G, F, P)
- Reviews should address proposal strengths and weaknesses for both review criteria: Intellectual Merit and Broader Impacts
- If it went to panel, there will be a “Panel Summary” with ratings (rating differs across panels)
- Context statement
- Often, a “PO Comment”





We recommend the proposal for award!

- CELEBRATE! But don't gloat
- Read the reviews and panel summary for constructive suggestions. We may ask you to respond to the reviews (or change things a bit) before deciding to fund.

We recommend the proposal be declined

- ▶ Develop a thick skin. You are in the majority (80-90%).
 - Never enough money to fund all the good proposals (no 3 strikes rule)
 - Revising and resubmitting is a chance to learn. Persistence can pay off!
 - NSF reviews are often exceptionally helpful and constructive.
 - Will you address the reviews directly or just revise the application?
 - Schedule a call with the PD (after you have had time to digest the reviews)





Common Criticisms

- *Insufficient detail* (experimental method, theory, predictions, and/or analysis plan)
- No compelling rationale (no theoretical framework)
- Disconnect between framing/ motivation and proposed work
- Results could have alternative explanations that you didn't consider
- No consideration for unexpected outcomes
- No preliminary data (proof of concept) for risky ideas or new methods
- Failing to establish feasibility
- Over-ambitious/Too incremental

If the experiments “work,” will anyone care?



NSF Policy on Sexual Harassment

- NSF does not tolerate sexual harassment, other forms of harassment, or sexual assault, within the agency, at awardee organizations, field sites or anywhere science or education is conducted.
- Grantee organizations must report findings of sexual harassment, or any other kind of harassment regarding a PI or co/PI or any other grant personnel.
- Grantee organizations must establish and maintain clear and unambiguous standards of behavior to ensure harassment-free workplaces wherever science is conducted, including notification pathways for all personnel, including students, on the primary and supplemental awards.
- See Important Notice #144 at <https://www.nsf.gov/pubs/issuances/in144.jsp>
- NSF Harassment page at <https://www.nsf.gov/od/odi/harassment.jsp>



Common Myths

- NSF only funds scholars at elite institutions
- NSF only funds “famous” academics
- NSF only funds established investigators
- Only funds “normal (safe)” science
- Once declined, always declined
- Advisory committees make funding decisions

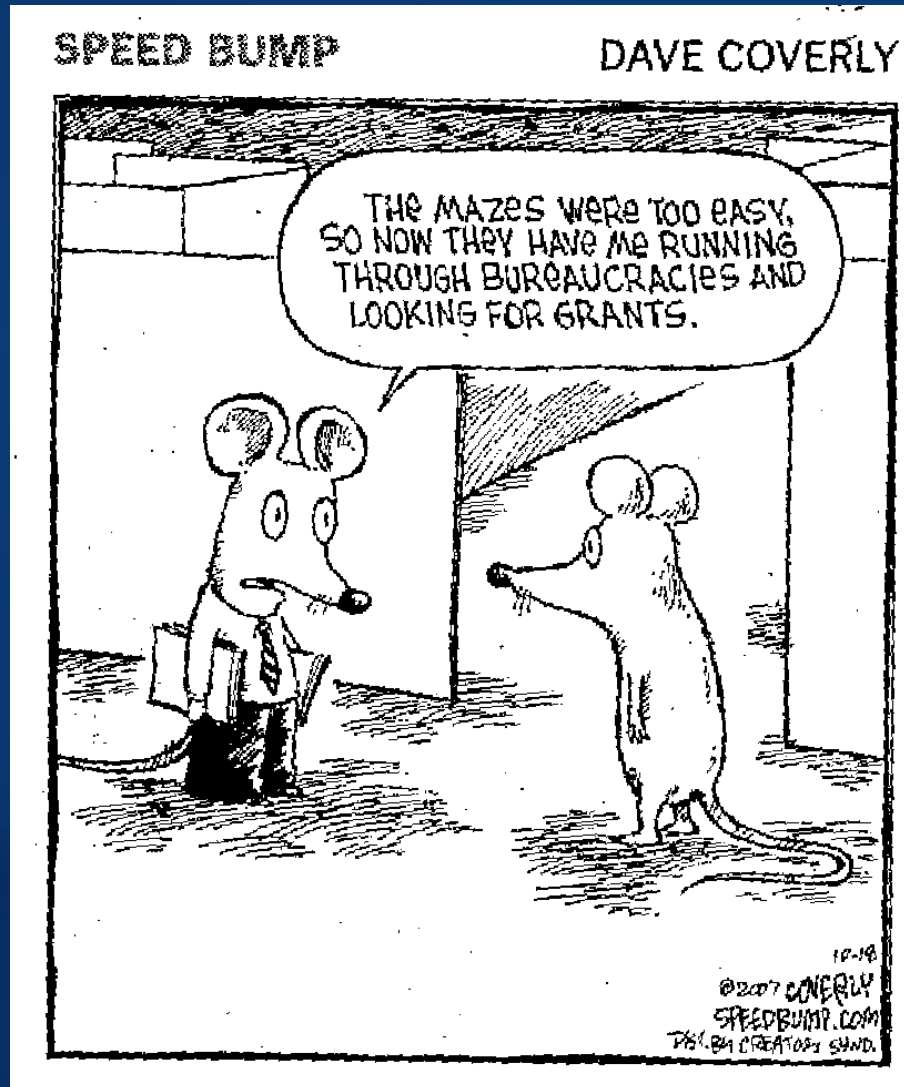


FALSE





Keep trying!



Questions



btuller@nsf.gov
mhout@nsf.gov



Student Support Opportunities

- SBE Postdoctoral Research Fellowship (SPRF)
- Graduate Research Fellowship Program (GRFP)
- Doctoral Dissertation Research Improvement Grant (DDRiG)
- Research Opportunities for Undergraduates (REU)





Relevant International Agreements

1) SBE-UKRI Lead Agency Opportunity

<https://www.nsf.gov/pubs/2019/nsf19028/nsf19028.jsp>

2) Collaborative Research in Computational Neuroscience: NSF and NIH (US); ANR (France); BMBF (Germany); BSF (Israel); AEI and ISCII (Spain); NICT (Japan)

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5147

3) Partnerships for International Research and Education (PIRE)

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505038

4) Accelerating Research through International Network-to-Network Collaborations (AccelNet)

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505584

5) International Research Experiences for Students

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12831

6) Subaward to a US PI

