

NSF/MPS Grant Opportunities



Physically located in Arlington, VA
Virtually located at <http://www.nsf.gov/>

Jim Whitmore
Division of Physics (PHY)

Guebre X. Tessema
**Division of Materials
Research (DMR)**

James Neff
**Division of Astronomical
Sciences (AST)**



NSF is Moving!

- NSF will move this summer from Arlington, VA to Alexandria, VA.
- The Directorate for Mathematical and Physical Sciences is scheduled to move over Labor Day weekend.

Now:

25 mins to/from DCA



4201 Wilson Blvd.
Arlington, VA 22230



Soon:

10 mins to/from DCA

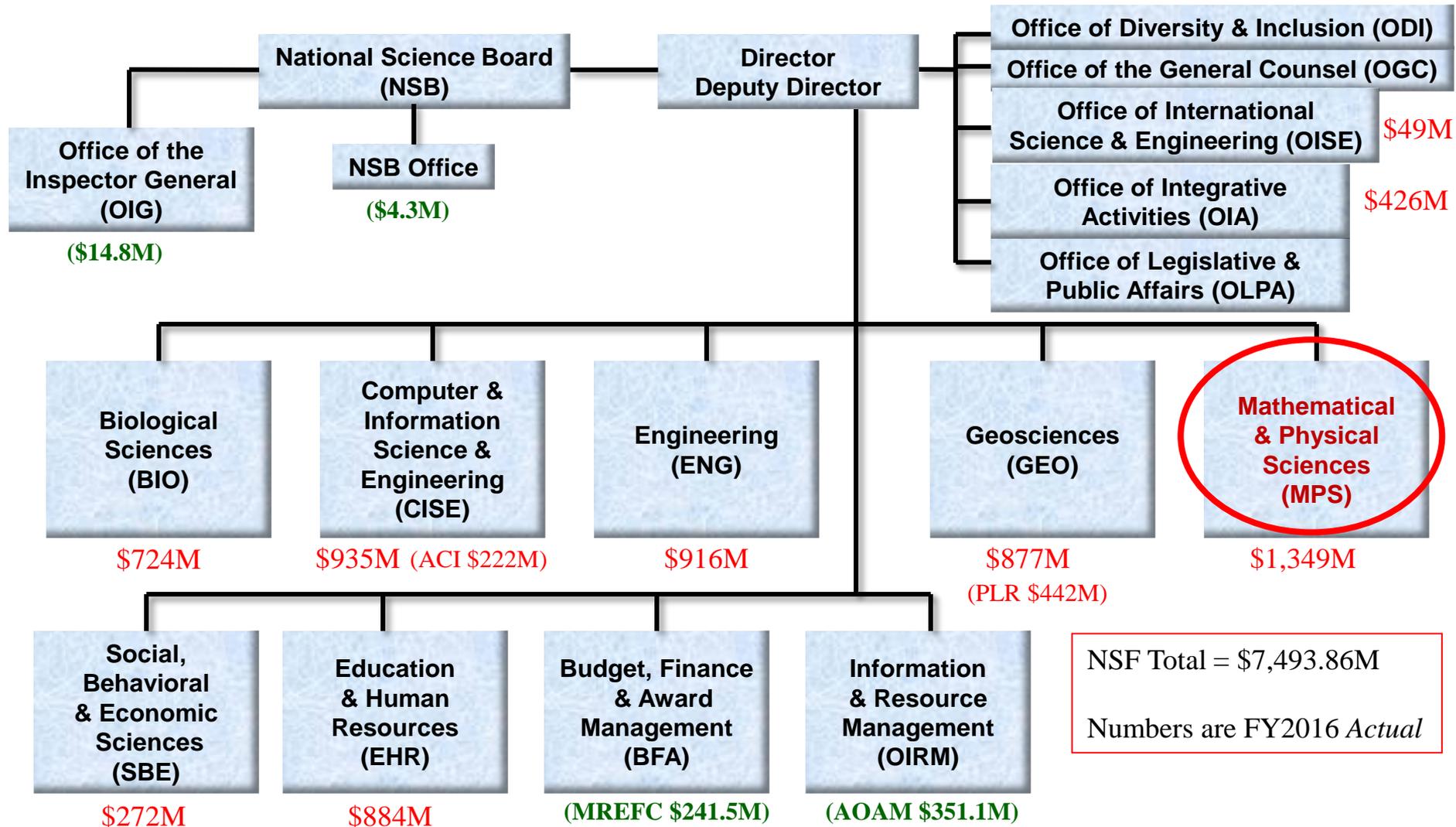


2415 Eisenhower Ave.
Alexandria, VA 22314



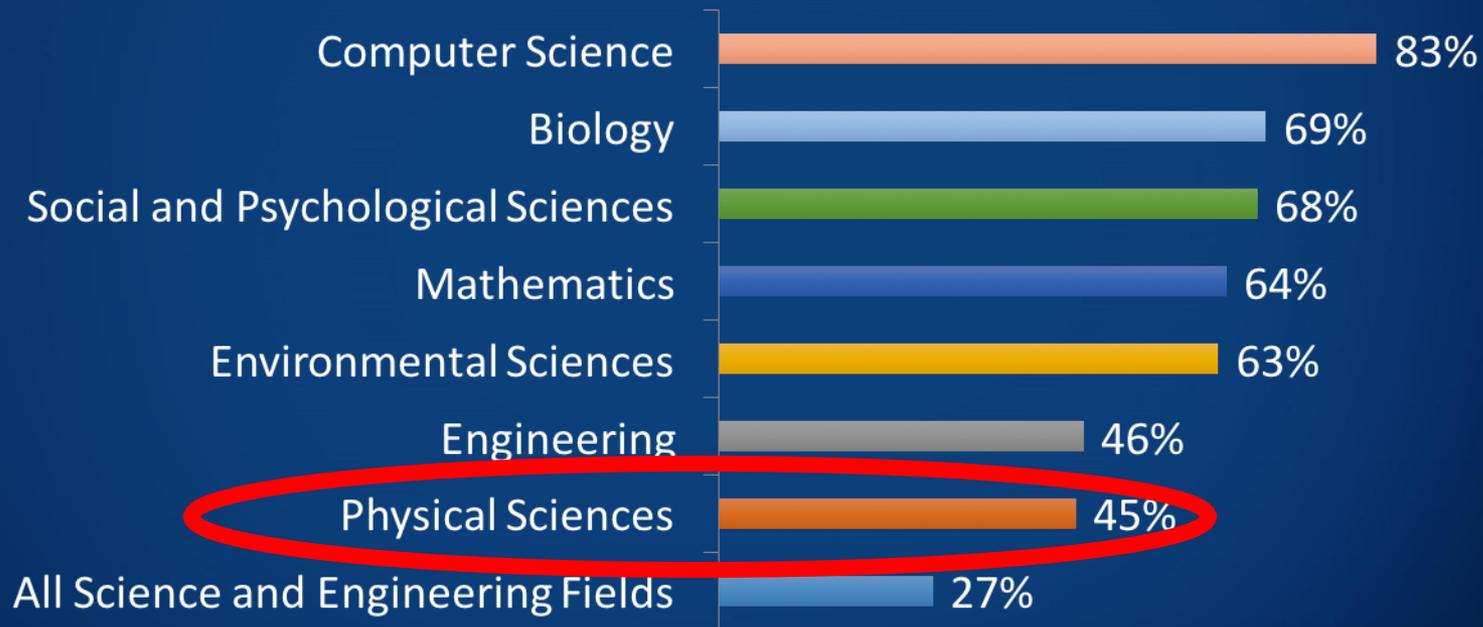


NSF Organization Chart





NSF Support of Academic Basic Research in Selected Fields (as a percentage of total federal support)

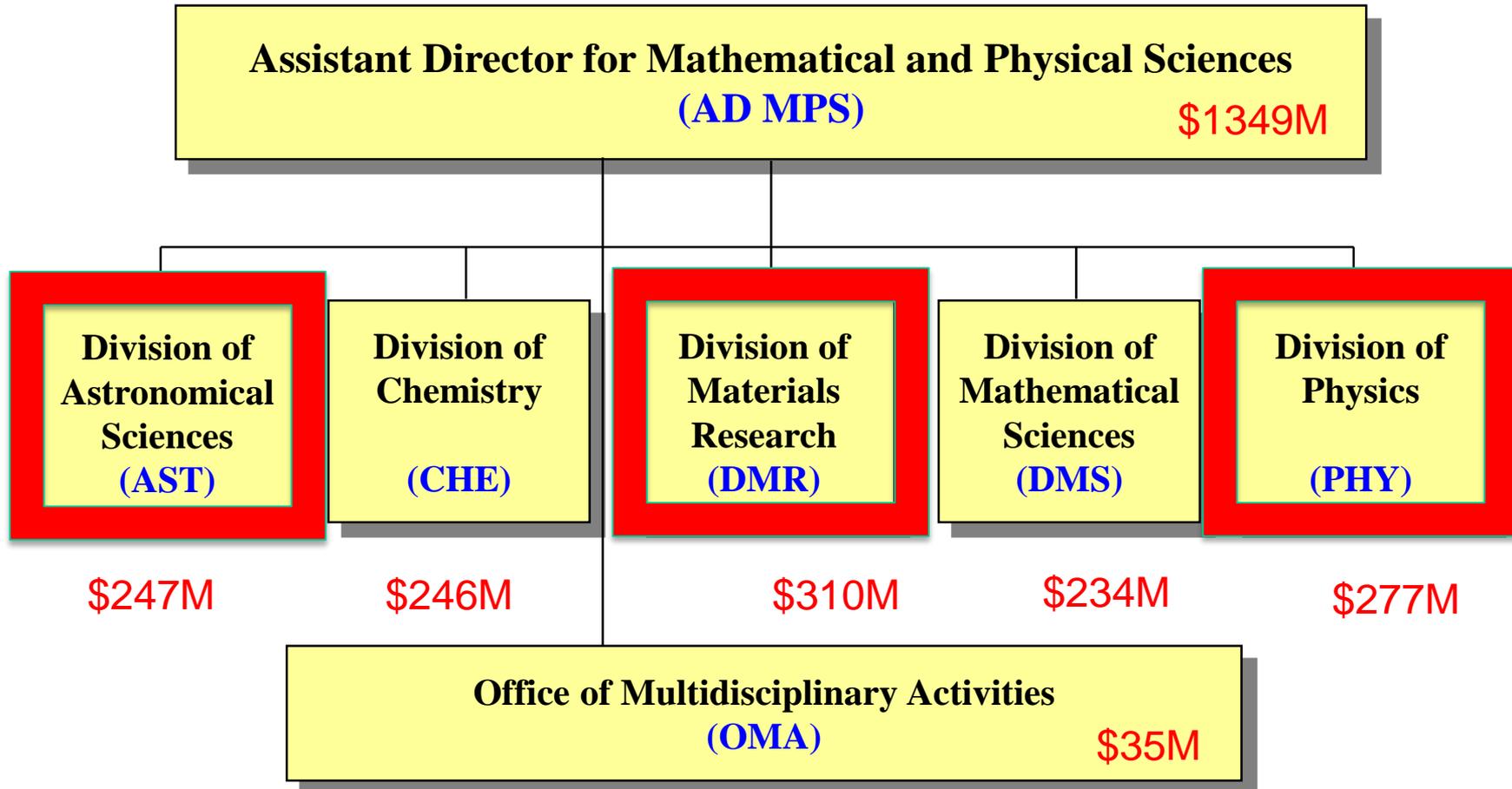


Note: Biology includes Biological Science and Environmental Science. Biology and Psychological Sciences exclude National Institutes of Health funding from the total amount of federal support.

Source: NSF/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development



Mathematical and Physics Sciences

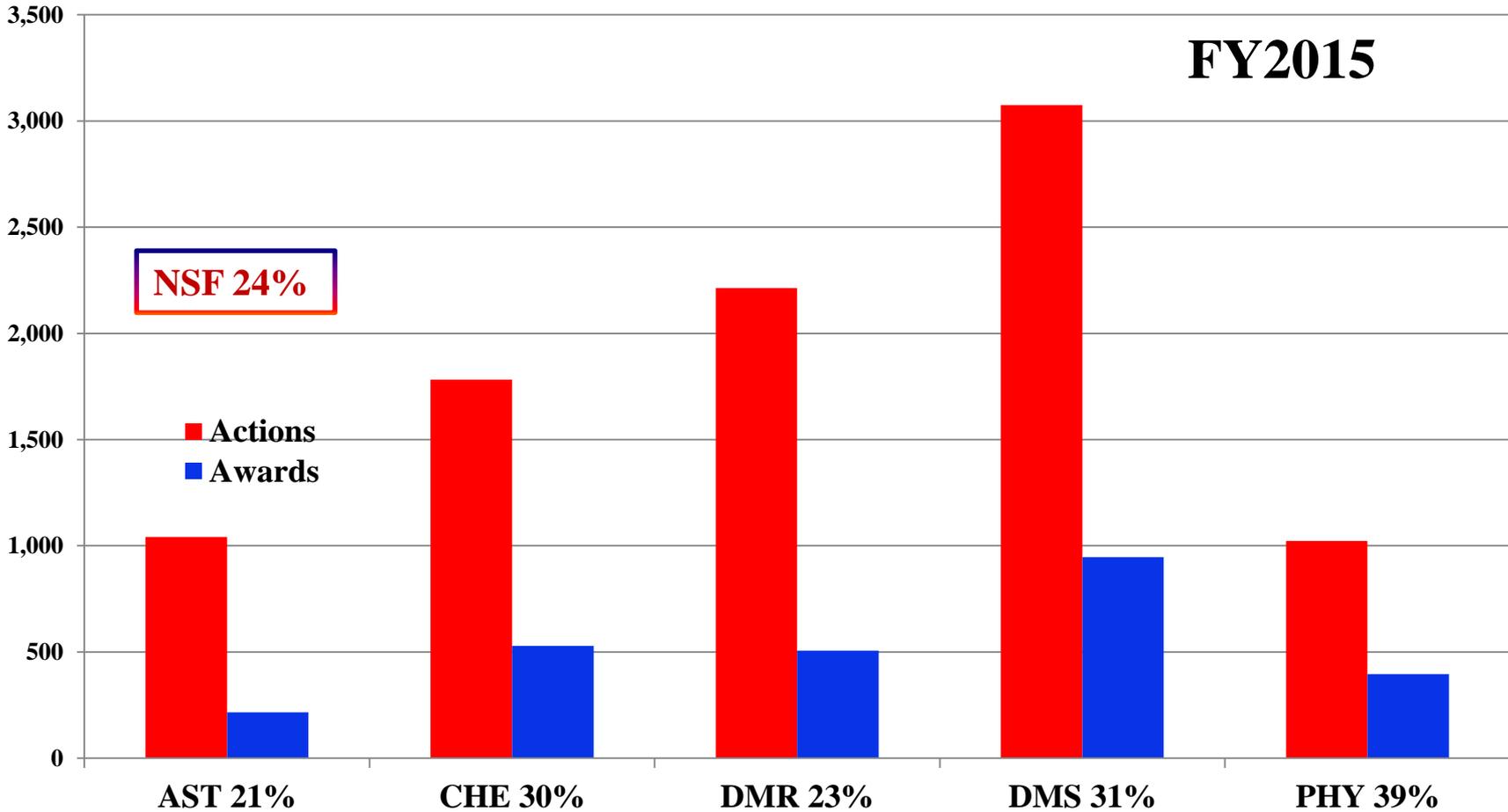
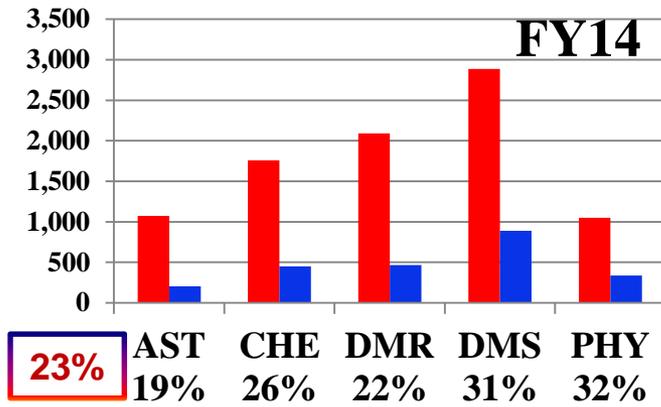


Numbers are FY 2016 Actuals

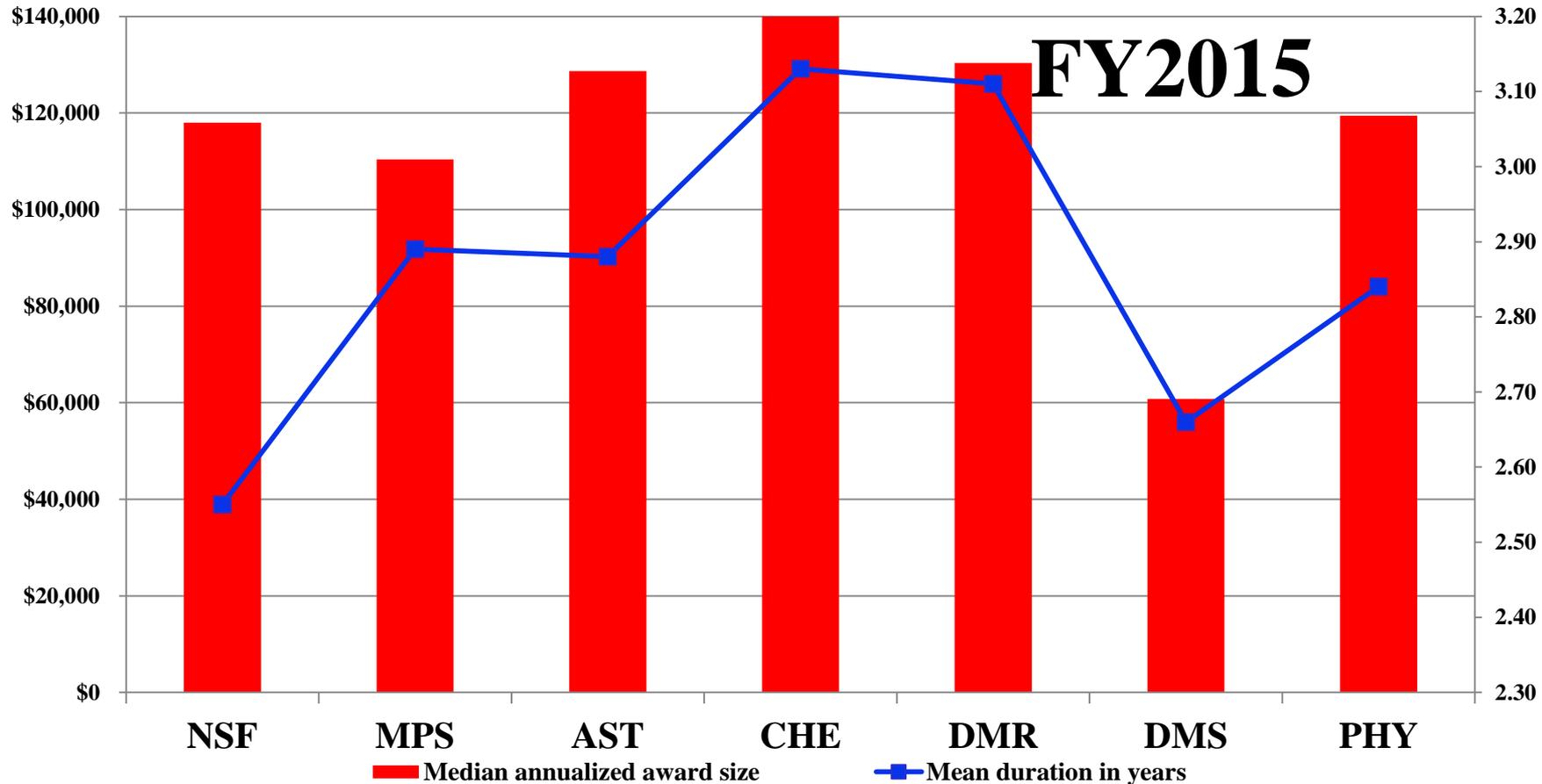




Funding Rates



Median Annualized Award Size and Duration



Award duration from one to five years (longer allowed, but rare)



AST Division Programs

nsf.gov/ast

**Individual
Investigators**
(Lead: James Neff)

AAG

CAREER

AAPF

ATI

MRI

REU

PAARE

Mid-scale
(Lead: Rich Barvainis)

MSIP

Facilities

ALMA

NRAO

Gemini

NOAO

NSO

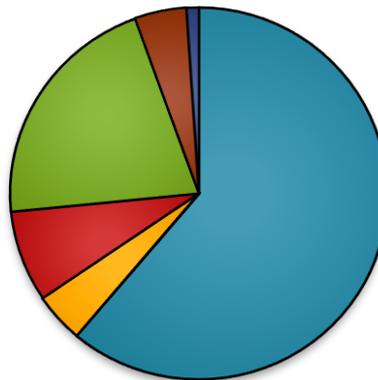
Arecibo

GBO & LBO

Research

**Technology/
Instrumentation**

**Education and
Special
Programs**



Astronomy and Astrophysics Research Grants (AAG)
Solar and Planetary Research Grants (SPG)

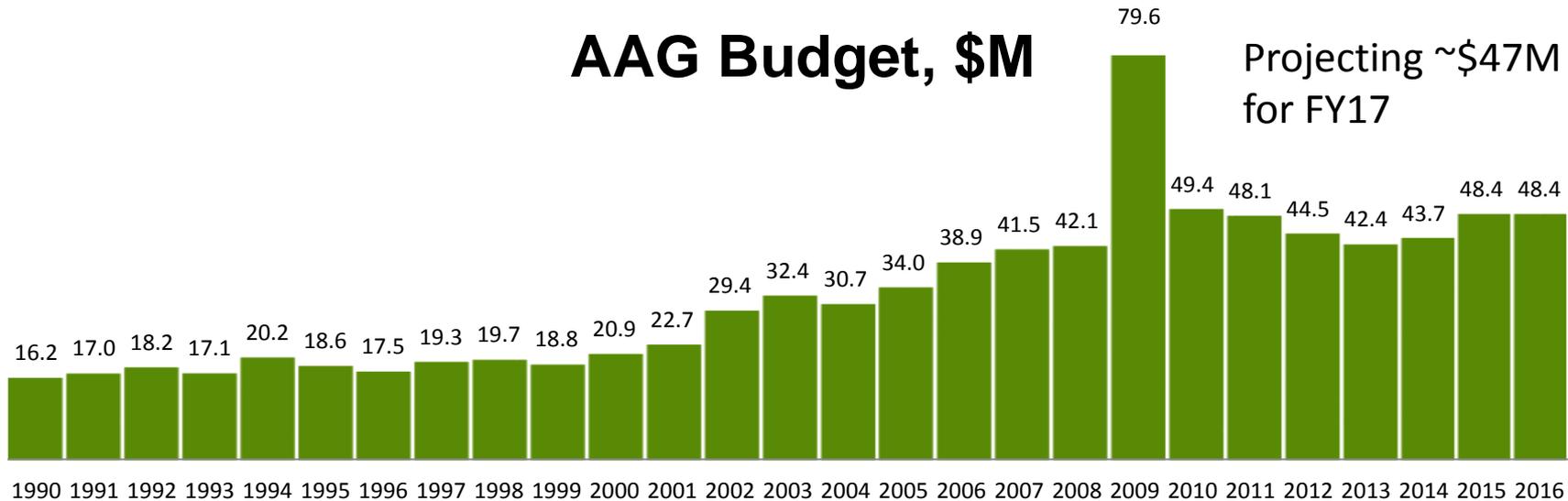
Annual AAG deadline: November 15
(no deadline for SPG)

- Research grants for observational, theoretical, laboratory, and archival data studies in all areas of astrophysics
- Also support programs that *enable* new research capabilities
- Proposals may span multiple disciplines and/or areas of study and may utilize multiple techniques.

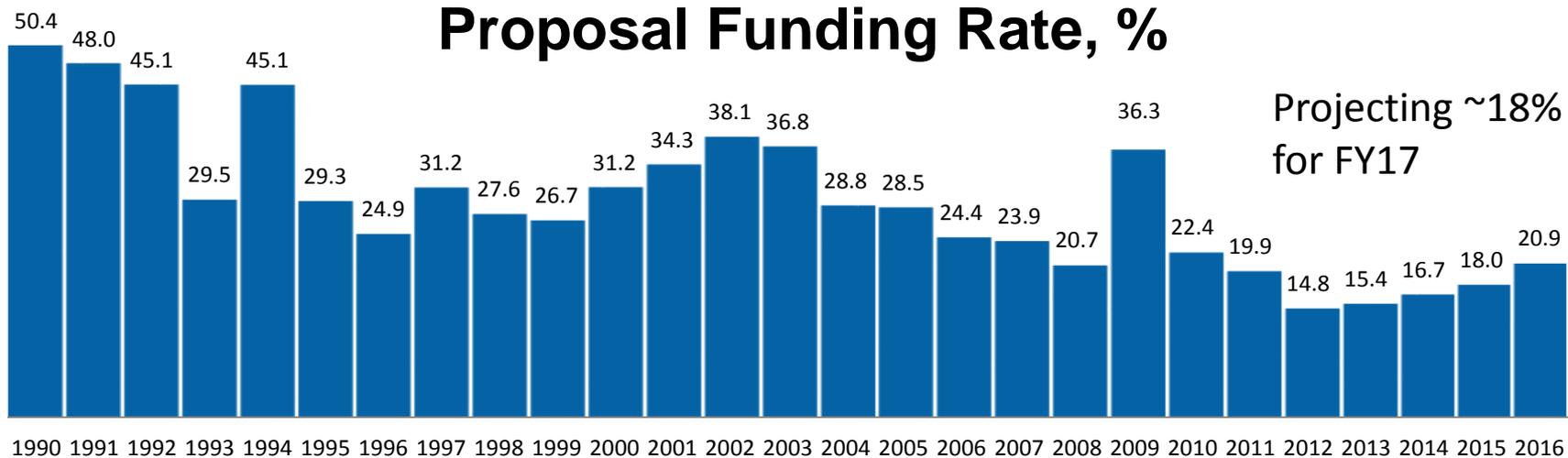


AAG Funding History, 1990-2016

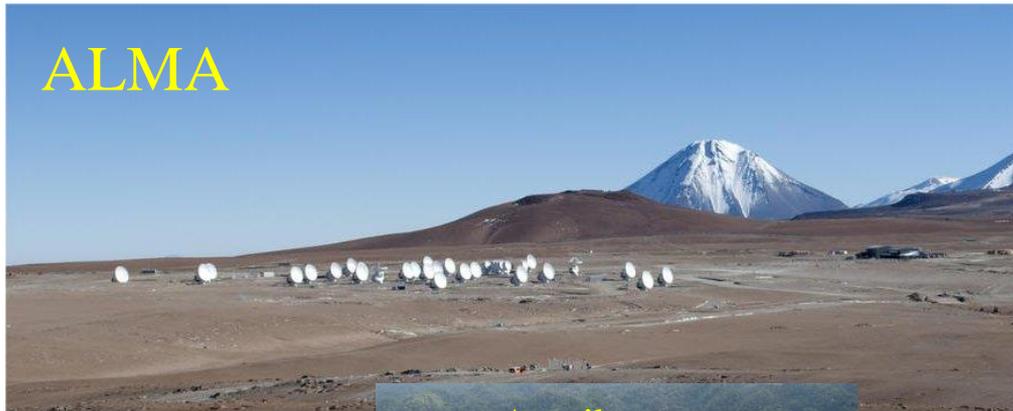
AAG Budget, \$M



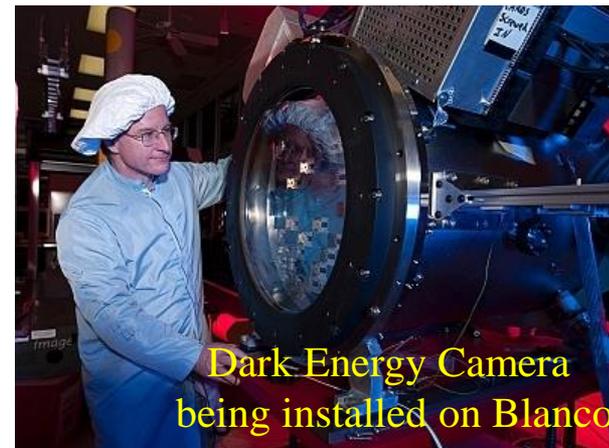
Proposal Funding Rate, %



Our Facilities



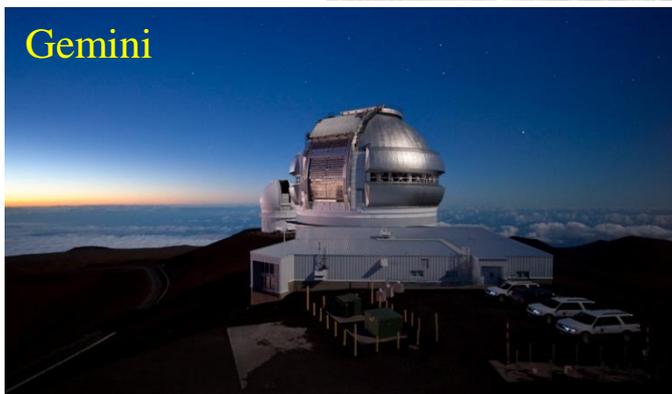
ALMA



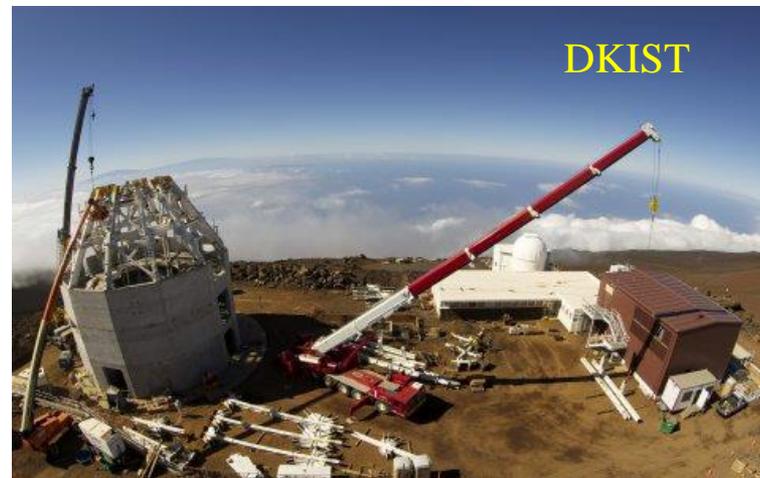
Dark Energy Camera
being installed on Blanco



Arecibo



Gemini

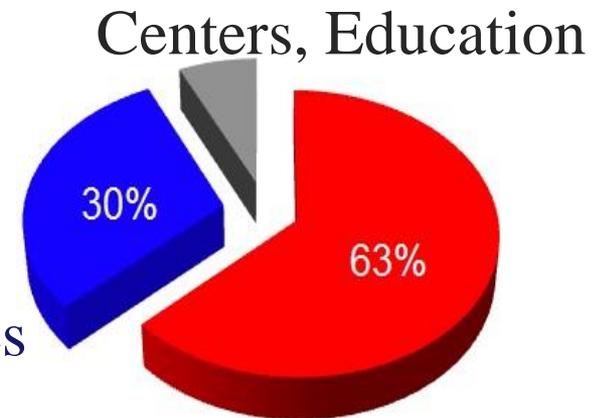
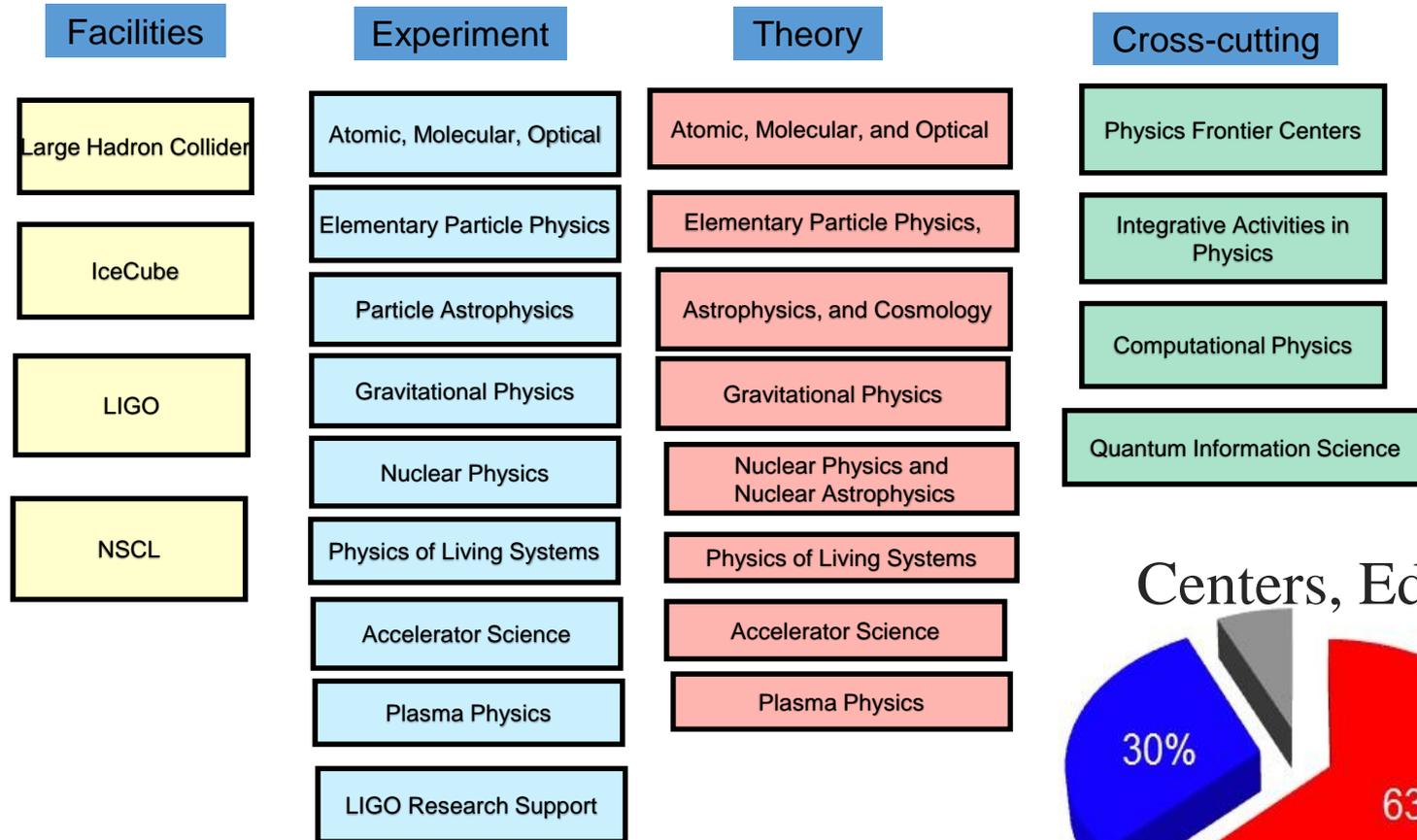


DKIST

Anyone may propose for observing time on NSF AST-funded facilities



Division of Physics



Facilities

Individual Awards, Small Teams



Division of Physics

Program Solicitation: Investigator-Initiated Research Projects (17-561)

<https://www.nsf.gov/pubs/2017/nsf17561/nsf17561.pdf>

Note: CMP is in DMR, not PHY

New requirements for some PIs

**Does not override existing solicitations such as
CAREER, REU sites, etc**

Initiated deadlines instead of target dates

Separate deadlines for different Physics programs



Division of Physics

PIs with **concurrent sources of support:**

- Explain how the proposed work is **distinct** from other funded activities.
- Discuss **commitments** (such as deliverables, specific projects) associated with other support
- Put in the **Current/Pending Support** section.

Additional Information for Midscale Instrumentation

This section applies to proposals for support of instrumentation acquisition or development at the level of \$4 million and above. This language may also apply to requests for lesser amounts if the cognizant Program Director concludes that the complexity of the instrumentation merits this approach. Investigators should first contact the Program Director for their physics discipline. Proposals should be submitted to the PHY Program (not a separate solicitation.)

PIs whose **list of collaborators** does not fit into the Biographical Sketches section:

- include as a **supplementary document** a list that provides **the names of the collaborative groups**, and lists of **all collaboration members with whom the PI works directly**.
- There are restrictions on the content in *Letters of Collaboration* or *Membership in large collaborations*



Division of Physics

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

October 25, 2017 Last Wednesday in October, Annually Thereafter
Atomic, Molecular & Optical Physics - Experiment & Theory;
Elementary Particle Physics - Experiment;
Gravitational Physics - Experiment & Theory;
Integrative Activities in Physics; LIGO Research Support; Particle
Astrophysics -Experiment; Physics of Living Systems

November 08, 2017 Second Wednesday in November, Annually Thereafter
Nuclear Physics - Experiment and Theory

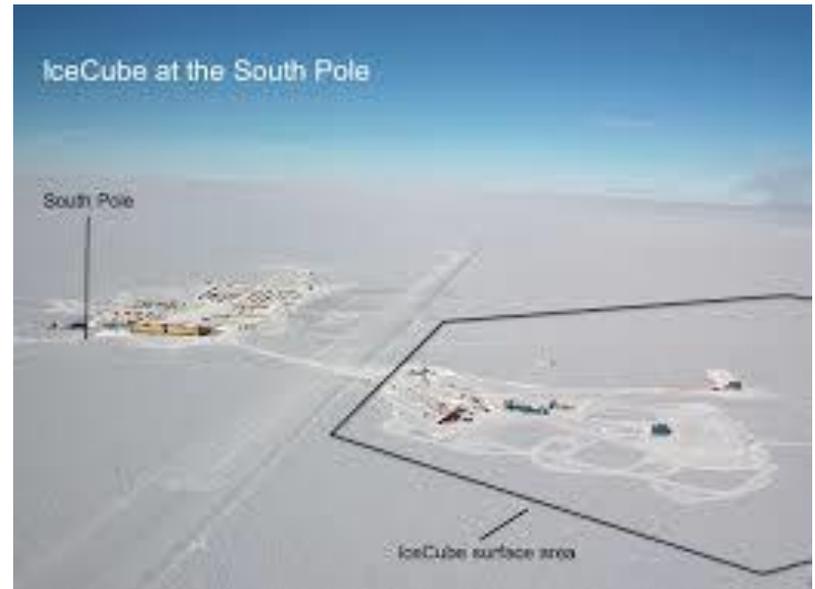
December 07, 2017 First Thursday in December, Annually Thereafter
Elementary Particle Physics - Theory;
Particle Astrophysics and Cosmology - Theory;
Quantum Information Science

December 06, 2018 First Thursday in December, Annually Thereafter
Computational Physics



World Class Major Facilities

Keeping Researchers at the Frontier



Division of Materials Research

Topical Programs (Individual Investigator Programs)

Accept Proposals from October 1-31 each year

- Biomaterials
- Solid-State and Materials Chemistry
- Polymers
- Metals and Metallic Nanostructures
- Condensed Matter Physics
- Electronic and Photonic Materials

Include within IIP:

- RUI
- GOALI
- CAREER

Proposals Accepted Anytime

- Condensed Matter and Materials Theory (NSF 16-596)
- Ceramics (NSF 16-597)

Cross-Cutting Activities (Diversity, Education and International) [Crosscutting Activities Program in Materials Research \(XC\)](#)



Division of Materials Research

- **DMR Centers and Teams**
 - Materials Research Science and Engineering Centers (MRSEC)
 - Partnerships for Research and Education in Materials (PREM)
 - Designing Materials to Revolutionize and Engineer our Future (DMREF)

 - REU Sites (NSF-Wide)
 - **Check website for deadlines/ Program Officers**
- **Cross-Cutting Activities (Diversity, Education and International)** [Crosscutting Activities Program in Materials Research \(XC\)](#)



Division of Materials Research

National Facilities and Instrumentation

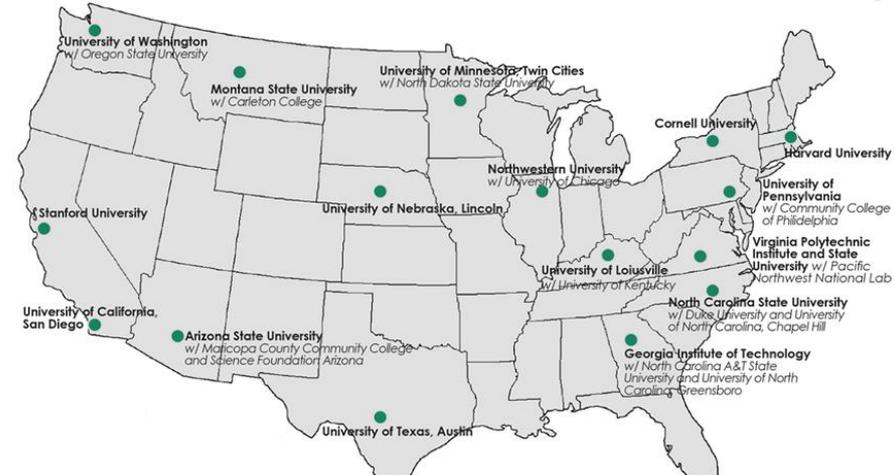
- National User Facilities: Open access, free of charge, competitive proposals review.
- Major Research Instrumentation (MRI).



Division of Materials Research National Facilities and Instrumentation



Cornell High Energy Synchrotron Source (Cornell, Ithaca)



National Nanotechnology Coordinated Infrastructure <http://nnci.net/about-nnci>



Center for High Resolution Neutron Scattering (NIST, MD)

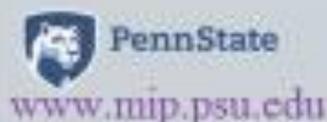


National High Magnetic Field Facility (Florida)



Materials Innovation Platforms (MIP)

MIP Concept: Combine a **focused research effort** in an interactive feedback loop together with a **mid-scale user facility open to the community** to accelerate advancement of a materials research topic of national importance



Focus: 2-dimensional chalcogenide materials for future electronics

e.g., Can theory model growth kinetics and guide materials synthesis?



Focus: interfacial materials, combining oxides & 2D materials, for valleytronics & spintronics

e.g., Can we design and create new interfacial materials by "breaking" Gibbs' & Pauling's rules?

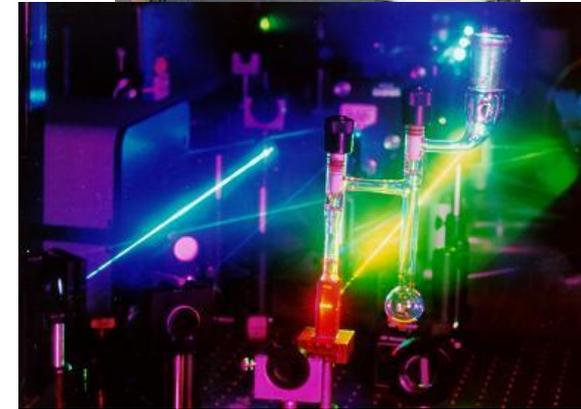
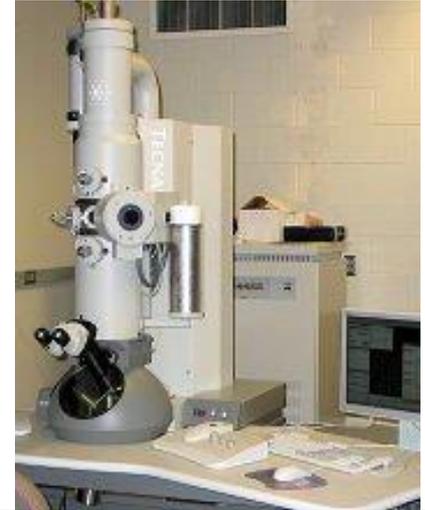
Current Status:

- Accept user proposals; some samples delivered to users already
- World's first 300-atm floating-zone furnace at Paradim-JHU →
- Integrated MBE, CVD, ARPES & STM/AFM later in 2017
- Access to computational, TEM & other capabilities
- Webinars and summer schools



Instrumentation

- Major Research Instrumentation (MRI)
- Divisional instrumentation programs
- Research grants



The Major Instrumentation Program (MRI)

NSF – 15-504, FAQ - 15 - 012

Next Deadline: Second Wednesday in January (Jan 18 in FY2018)

Restrictions on organization submission eligibility

Submission limit - Three (3) per organization: *If three proposals are submitted, at least one of the proposals must be for instrument development.*

Awards - up to \$4M for development or acquisition proposals

Cost-sharing at the level of 30% of the ***total project cost*** is required for Ph.D.-granting institutions and non-degree-granting organizations. ***Cost-sharing is not required for non-Ph.D. granting institutions.***

Merit Review - At the time of submission, PI's are asked to identify an NSF division(s) to review proposal. NSF reserves the right to place proposals in the appropriate division(s) for review.



RUI: Facilitating Research at Primarily Undergraduate Institutions

- RUI proposals must be submitted in response to existing NSF funding opportunities and must abide by guidelines and deadlines in those documents.
- Current RUI solicitation is **NSF 14-579**. Also be familiar with PAPPG (NSF 17-1) and research program solicitation.

There is no single Foundation-wide deadline for RUI proposals – see Division programs



MPS AGEP GR *Supplements*

- Available to PIs at AGEP or AGEP Legacy Institutions
https://www.nsf.gov/mps/broadening_participation/index.jsp
- Graduate Student Eligibility
 - Emphasis placed on under-represented groups
 - Not currently supported by federal government (NSF, DOE, NIH, ...)
 - US Citizen, US National, or US Permanent Resident
- Stipend, tuition, benefits, and IDC (~\$60k)
- Renewable up to two times

See me and DCL 16-125 for more information



CAREER

Faculty Early Career Development Program NSF 17-537

<https://www.nsf.gov/pubs/2017/nsf17537/nsf17537.htm>

- NSF's most prestigious awards in support of junior faculty exemplifying the role of teacher-scholar
- Enhances and emphasizes the importance of balanced academic careers
- Includes plan to integrate research and education
- Deadline: July 21, 2017



CAREER

- **Additional Requirements**
 - Associate professors cannot apply
 - No Co-Investigators allowed on Cover Page
 - Requires letter from Department Chair or Equivalent
- **SIZE**
 - Lower Limit \$400K (total) [except for BIO, ENG, OPP: \$500k]
- **DURATION**
 - 5 Years
- **PECASE**
 - HONORARY ONLY (Unlike DOE)



Merit Review Criteria

NSF-funded Projects are expected to be of the highest intellectual quality with the potential to advance, if not transform, the frontiers of knowledge.

Projects are also expected to contribute more broadly to achieving societal goals, either through the research itself or through activities related or complementary to the research.

Two Merit Review criteria are considered when evaluating ALL NSF proposals:

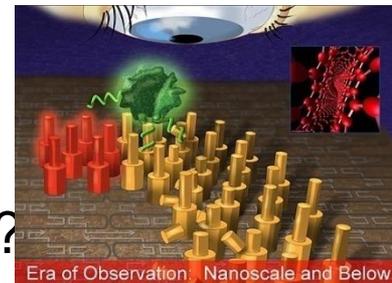
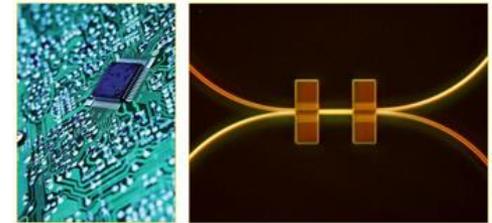
- **Intellectual Merit**: the potential to advance knowledge
- **Broader Impacts**: the potential to benefit society and contribute to the achievement of specific, desired societal outcomes



Merit Review Criteria:

Intellectual Merit

- How important is the proposed activity to advancing knowledge and understanding within its own field or across different fields?
- How well qualified is the proposer (individual or team) to conduct the project?
- To what extent does the proposed activity suggest and explore creative, original, or potentially transformative concepts?
- How well conceived and organized is the proposed activity?
- Is there sufficient access to resources?



EXAMPLES



Merit Review Criteria:

Broader Impacts

- How well does the activity advance discovery and understanding while **promoting teaching, training, and learning**?
- How well does the proposed activity broaden the participation of **underrepresented groups**?
- To what extent will it enhance the **infrastructure** for research and education, such as facilities, instrumentation, networks, and partnerships?



- Will the **results be disseminated** broadly to enhance scientific and technological understanding?
- What may be the benefits of the proposed activity to **society**?



Broader Impacts

NSF Broader Impacts are (intentionally) broadly defined. Examples include, but are *not limited to*:

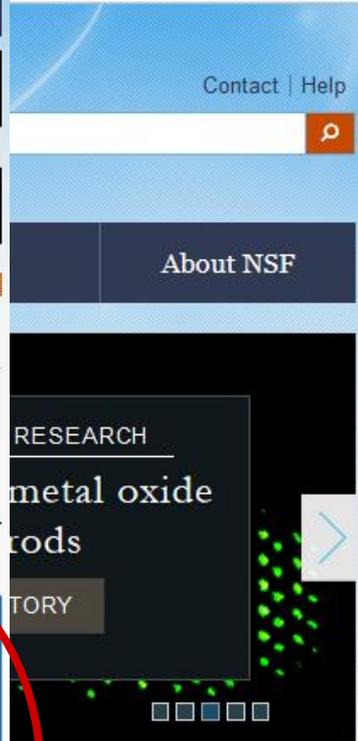
- improved STEM education and educator development at any level;
- increased public scientific literacy and public engagement with science and technology;
- full participation of women, persons with disabilities, and underrepresented minorities in science, technology, engineering, and mathematics (STEM);
- improved well-being of individuals in society;
- development of a diverse, globally competitive STEM workforce;
- increased partnerships between academia, industry, and others;
- improved national security;
- increased economic competitiveness of the United States;
- enhanced infrastructure for research and education.



Funding Opportunities www.nsf.gov



This screenshot shows the main content area of the NSF website. At the top, there is a search bar and a navigation bar with "Funding" circled in red. Below the navigation bar is a large image of a molecular structure with a "FULL STORY" button. The content area is divided into several sections: "NSF Social Media" with social media icons, "NSF Funding & Research Community" with a "SPECIAL NOTICES" section, and an "EVENT CALENDAR" section. A red circle highlights a "FUNDING OPPORTUNITIES" sidebar widget on the right side of the page. The sidebar contains a search bar, a "GO" button, a "Search by Program Area" dropdown menu, another "GO" button, and a "VIEW ALL FUNDING OPPORTUNITIES" button with a right-pointing arrow.



www.nsf.gov – Search Current Awards

The screenshot shows the National Science Foundation website. At the top left, the logo reads "National Science Foundation WHERE DISCOVERIES BEGIN". To the right is a search bar with the text "Search" and a magnifying glass icon. Below the search bar is a navigation menu with the following items: "Research Areas", "Funding", "Awards", "Document Library", "News", and "About NSF". The "Awards" item is circled in red. A dropdown menu is open under "Awards", listing the following links: "About Awards", "Award Statistics (Budget Internet Info System)", "Award Conditions", "Managing Awards", "Policies and Procedures", "Presidential and Honorary Awards", and "Search Awards". The "Search Awards" link is also circled in red. To the right of the dropdown menu is a "RELATED LINKS" section with the following links: "Research.gov", "FastLane", and "NSF Public Access Repository (NSF-PAR)". The background of the website features a blue header and a dark blue footer with the NSF logo. The main content area has a black background with a pattern of colorful dots (green, yellow, and pink) on the left side.

Contact | Help

Search

Research Areas Funding **Awards** Document Library News About NSF

About Awards
Award Statistics (Budget Internet Info System)
Award Conditions
Managing Awards
Policies and Procedures
Presidential and Honorary Awards
Search Awards

RELATED LINKS
Research.gov
FastLane
NSF Public Access Repository (NSF-PAR)





Simple Search Results

Search awards for:

Search

Export up to 3,000 Awards:

Email this Link Export All Results

Sort By: Results size:

Page 1 of 98

Displaying 1 - 30 of 2916

'dark matter'

You Searched For:

dark matter

Active Awards true

Refined by

Refine Search

State

Alaska(14)
Alabama(8)
Arkansas(5)
Arizona(47)
California(426)
Show More ...

NSF Organization

 Office Of The Director(32)
 Direct For Mathematical & Physical Sci(1744)
 Direct For Social, Behav & Economic Sci(93)
 Direct For Computer & Info Scie & Engin(158)
 Directorate For Geosciences(339)
 Directorate For Engineering(254)
 Direct For Biological Sciences(170)
 Direct For Education and Human Resources(126)

Award Amount

Less than or equal \$50,000(168)
Between \$50,001 - \$100,000(187)
Between \$100,001 - \$500,000(1928)
Between \$500,001 - \$1,000,000(424)
More than \$1,000,000(209)[Collaborative Research: Direct Search for Dark Matter with Underground Argon at LNGS](#)

Award Number:1314483; Principal Investigator:C. J. Martoff; Co-Principal Investigator;; Organization:Temple University;NSF Organization:PHY Start Date:06/15/2014; Award Amount:\$526,442.00; Relevance:47.63;

[The Purest Dark Matter Halos and the Processes of Galaxy Evolution](#)

Award Number:1713841; Principal Investigator:Dennis Zaritsky; Co-Principal Investigator:Alan Strauss; Organization:University of Arizona;NSF Organization:AST Start Date:08/15/2017; Award Amount:\$567,637.00; Relevance:47.63;

[On the Relation Between Galaxies and Dark Matter Halos](#)

Award Number:1612085; Principal Investigator:Idit Zehavi; Co-Principal Investigator;; Organization:Case Western Reserve University;NSF Organization:AST Start Date:07/01/2016; Award Amount:\$65,064.00; Relevance:47.63;

[Observing the Invisible: A Collaborative Investigation between Astrophysicists and Philosophers](#)

Award Number:1557138; Principal Investigator:Michael Weisberg; Co-Principal Investigator:Barry Madore; Organization:University of Pennsylvania;NSF Organization:SES Start Date:07/01/2016; Award Amount:\$154,876.00; Relevance:47.63;

[Collaborative Research \(RUI\): Search for Exotic Transient Spin-dependent Signals from Ultrabright Dark Matter Fields](#)

Award Number:1707875; Principal Investigator:Derek Kimball; Co-Principal Investigator;; Organization:California State University, East Bay Foundation, Inc.;NSF Organization:PHY Start Date:05/15/2017; Award Amount:\$122,879.00; Relevance:47.63;

[Collaborative Research \(RUI\): Search for Exotic Transient Spin-dependent Signals from Ultrabright Dark Matter Fields](#)

Award Number:1707803; Principal Investigator:Jason Steinaker; Co-Principal Investigator;; Organization:Oberlin College;NSF Organization:PHY Start Date:05/15/2017; Award Amount:\$91,435.00; Relevance:47.63;

[Collaborative Research: ADMX-HF Extreme Axion Experiment](#)

Award Number:1607223; Principal Investigator:Konrad Lehnert; Co-Principal Investigator;; Organization:University of Colorado at Boulder;NSF Organization:PHY Start Date:07/01/2016; Award Amount:\$276,929.00; Relevance:47.63;

[Extremes Meet: Radio and Gamma-Ray Observations of Clusters of Galaxies, from Dark Matter to Cosmic Rays](#)

Award Number:1517545; Principal Investigator:Tesla Jertema; Co-Principal Investigator:Stefano Profumo; Organization:University of California-Santa Cruz;NSF Organization:AST Start Date:09/01/2015; Award Amount:\$325,000.00; Relevance:47.63;

HOME RESEARCH AREAS FUNDING AWARDS DOCUMENT LIBRARY NEWS ABOUT NSF

Awards

Search Awards
Recent Awards
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 #1713841
The Purest Dark Matter Halos and the Processes of Galaxy Evolution

NSF Org:	AST Division Of Astronomical Sciences
Initial Amendment Date:	May 17, 2017
Latest Amendment Date:	May 17, 2017
Award Number:	1713841
Award Instrument:	Standard Grant
Program Manager:	Peter Kurczynski AST Division Of Astronomical Sciences MPS Direct For Mathematical & Physical Scien
Start Date:	August 15, 2017
End Date:	July 31, 2020 (Estimated)
Awarded Amount to Date:	\$567,637.00
Investigator(s):	Dennis Zaritsky dzaritsky@as.arizona.edu (Principal Investigator) Alan Strauss (Co-Principal Investigator)
Sponsor:	University of Arizona 888 N Euclid Ave Tucson, AZ 85719-4824 (520)626-6000
NSF Program(s):	EXTRAGALACTIC ASTRON & COSMOLO
Program Reference Code(s):	1207
Program Element Code(s):	1217

ABSTRACT

A galaxy contains a mixture of gas, stars and dark matter. The gas and stars emit light, making them easy to study. But the dark matter is, well, dark: It does not emit light; so, it is difficult to study. Theories of galaxy formation try to account for the mixtures of gas, stars and dark matter in galaxies of all types. Recently, a new type of galaxy was discovered, the so-called ultra-diffuse galaxies (UDGs). These galaxies contain dark

Division that made the award.

Program Officer currently managing the award.

Funds allocated to date. See 'expired' awards for std level of investment per award.

Program(s) that funded this award.

Abstract for this award – reviewing abstracts provides information on research scope of the program – does your research fit?

Questions?

Ask Early, Ask Often

Jim Whitmore, jwhitmor@nsf.gov

Guebre X. Tessema, gtessema@nsf.gov

Jim Neff, jneff@nsf.gov



Outline

NSF Overview (Jim N)

Division of Astronomical Sciences (Jim N)

Division of Physics (Jim W)

Division of Materials Research (Tess)

Major Research Instrumentation Program (Tess)

RUI (Tess)

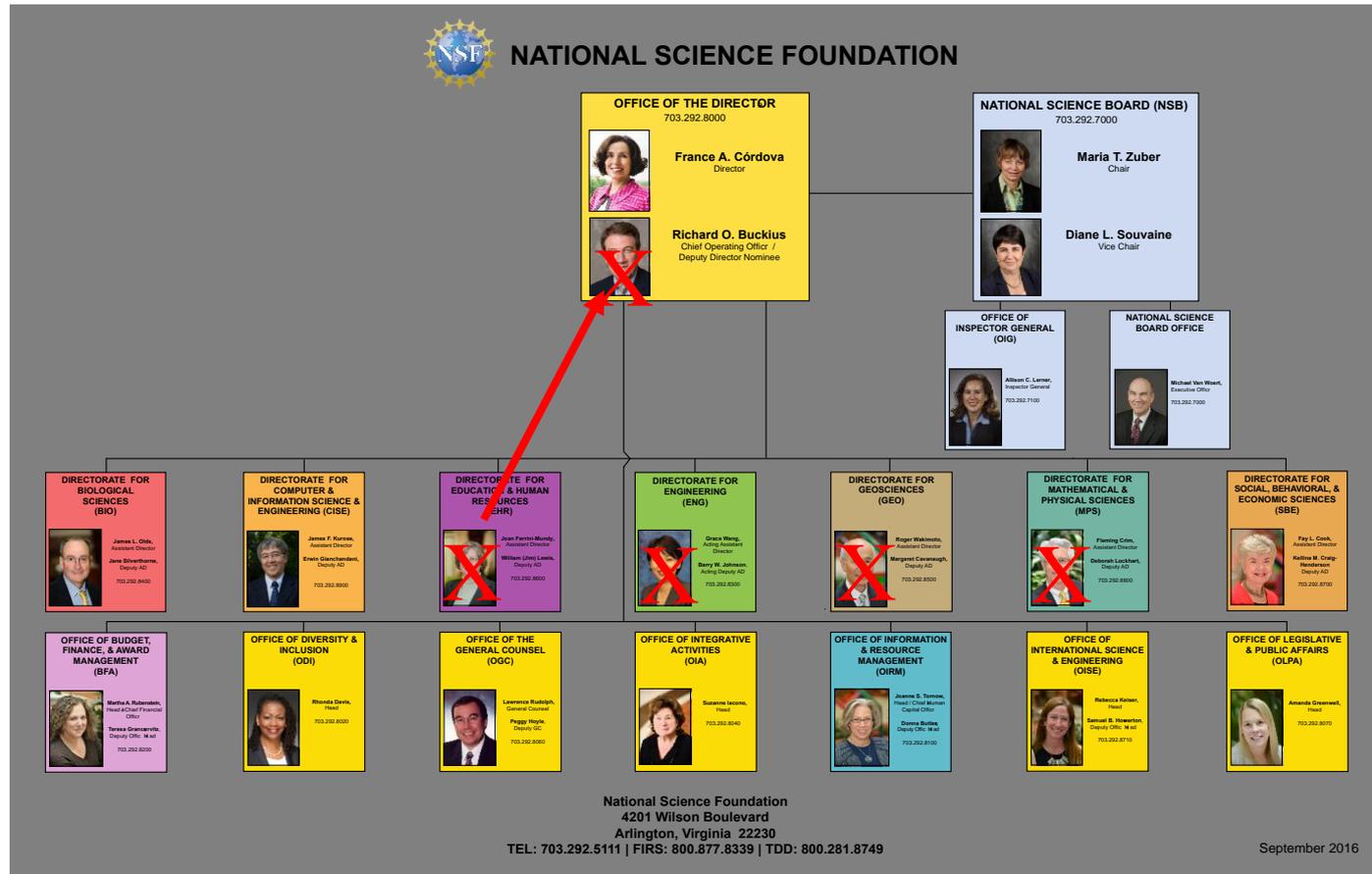
MPS AGEP GR *Supplements* (Tess)

CAREER Proposals (Tess)

Merit Review Criteria (Jim W)

Funding opportunities overview (Jim W)

Transitions: NSF



- Major NSF leadership transition in Jan/Feb
- Acting ADs for MPS, GEO, ENG, and EHR
- New Acting Chief Operating Officer
- GEO AD started on June 1; ENG AD will start on June 19.





National Science Foundation

**FY 2018 BUDGET REQUEST
TO CONGRESS**



NSF FY 2018
Budget Request
Total: \$6.65 billion



MPS Overall Funding—FY 2018 Request

MPS Funding

(Dollars in Millions)

	FY 2016 Actual	FY 2017 (TBD)	FY 2018 Request	Change Over FY 2016 Actual	
				Amount	Percent
Astronomical Sciences (AST)	\$246.63	-	\$221.15	-\$25.48	-10.3%
Chemistry (CHE)	246.52	-	221.05	-25.47	-10.3%
Materials Research (DMR)	309.88	-	282.87	-27.01	-8.7%
Mathematical Sciences (DMS)	233.95	-	209.78	-24.17	-10.3%
Physics (PHY)	276.91	-	253.30	-23.61	-8.5%
Office of Multidisciplinary Activities (OMA)	34.89	-	31.28	-3.61	-10.3%
Total	\$1,348.78	-	\$1,219.43	-\$129.35	-9.6%



Principles Applied to MPS

- Support early career
 - CAREER request relatively stable. Targeted REU reductions if undergraduate students could be supported through national facilities and normal research awards. 8,000 graduate students to be supported through research awards.
- Protect the core; cross disciplinary programs
 - Major research facilities are “core” to MPS.
 - Retained flexibility to fund the best science by rolling some cross-disciplinary programs into core programs.
- Strategic and prioritized reductions within directorates
 - Emphasized funding of highest priority facilities; reductions proposed for some facilities in transition.
 - Reduced mid-scale and instrumentation; support individual investigators.
 - Prioritized low-level investments leading to “Big Ideas”.



Proposal Preparation: Before You Start

- Investigate Program Websites
- Search the Award Database
- READ the Solicitation and the **PAPPG**
- **Contact the Program Director ?**
 - One or two paragraph describing projects
 - Possible phone call to talk about the project
- Especially if collaborative: Start Early
- Possible co-review if inter/cross-disciplinary



Proposal & Award Policies & Procedures Guide

- **(PAPPG) NSF 17-1**
 - Combination of the Grant Proposal Guide (**GPG**) and the Award & Administration Guide (**AAG**)
 - Contains guidelines for all proposals (except when program solicitation stipulates otherwise)
 - Provides guidance for Award process, from issuance and administration through closeout
 - Describes NSF organizations and offices most relevant to grantees
 - Provides a list of Statutes and Executive Orders



Proposal Preparation: Reading the Solicitation

In Program Announcement/Solicitation, look for:

- Goal of Program
- Eligibility
- Special proposal preparation and/or award requirements
- Deadlines/Target dates/ Submission windows
- Pre/Full proposal

In case of a conflict between the PAPPG and the solicitation, the solicitation overrides the PAPPG



Contents of an NSF Proposal

- **Intellectual Merit & Broader Impact** must be explicitly addressed in both **Project Summary** and **Project Description**
- **Project Description**
 - Results from Prior NSF support
- **References**
 - See Grant Proposal Guide Chapter II, Section C.2e
 - All Authors, Titles of Articles
- **Biographical Sketch**
 - See Grant Proposal Guide Chapter II, Section C.2f.
- **Post Doc Mentoring** – One page in Supplementary Docs
- **Data Maintenance Plan** – Two pages in Supplementary Docs
- **Collaborator List** – Single Copy Document; special format

Non-conforming proposals may be returned without review!!!



Things to consider

- **Why do it?**
- Why you and not someone else?
 - Uniqueness of research, educational opportunities, available facilities...
- What are your strengths?
 - Capture the reviewers' attention in the summary and introduction. Make them want to read more.
- YOU must convince the reviewer you are worthy of funding
- Express yourself clearly
 - It's not the reviewer's job to figure out what you are trying to accomplish and why



Important NSF requirements

- **Cost-sharing: Inclusion of voluntary cost-sharing is prohibited.**
In order to assess the scope of the project, all organizational resources necessary for the project must be described in the Facilities, Equipment and Other Resources section of the proposal. The description should be narrative in nature and must not include any quantifiable financial information.
- **Post-doc Mentoring Plan:**
Required whenever a postdoc is to be supported through the award
- **Data Management Plan:**
All proposals must describe plans for data management and sharing of the products of research, or assert the absence of the need for such plans. Up to two pages in the Supplementary Docs; must be labeled “Data Maintenance Plan”



Funding Decisions

Along with the advice provided by reviewers/panels, NSF staff will give careful consideration to the following in making funding decisions:

Integration of Research and Education

One of the principal strategies in support of NSF's goals is to foster integration of research and education through the programs, projects and activities it supports at academic and research institutions. ...

Integrating Diversity into NSF Programs, Projects, and Activities

Broadening opportunities and enabling the participation of all citizens, women and men, underrepresented minorities, and persons with disabilities, are essential to the health and vitality of science and engineering. NSF is committed to this principle of diversity and deems it central to the programs, projects, and activities it considers and supports.



Before You Submit Your Proposal

- Get someone else (with experience) to read the proposal, and leave your ego behind
- Don't wait until the deadline to submit
- **Download and Print** the PDF file after finishing and **double-check** the font size, diagrams, etc.



CAREER

ELIGIBILITY: As of Directorate Deadline

- Hold a doctoral degree by the deadline date in a field supported by NSF;
- Be untenured until October 1 following the deadline; and
- Have not previously received a CAREER award (prior or concurrent Federal support for other types of awards or for non-duplicative research does not preclude eligibility);

AND

- By October 1st following the deadline for submission of CAREER proposals: Be employed in a tenure-track (or tenure-track-equivalent) position as an **assistant professor (or equivalent title)** at an accredited institution located in the U.S., its territories, or possessions, or the Commonwealth of Puerto Rico, that awards degrees in a field supported by NSF;

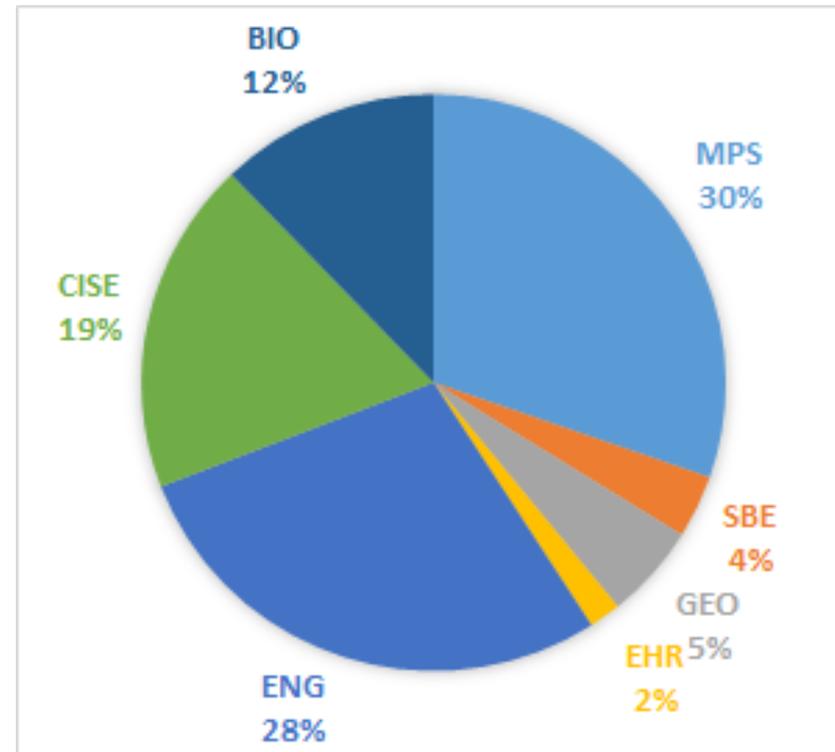
OR

- Be employed in a tenure-track position (or tenure-track-equivalent position) as an **assistant professor (or equivalent title)** at an organization located in the U.S., its territories or possessions, or the Commonwealth of Puerto Rico, that is a non-profit, non-degree-granting organization such as a museum, observatory, or research lab.



CAREER Program

Awardees are selected based on their plan of *outstanding research, excellent education*, and the integration of research and education within the context of the mission of their organizations, *building a firm foundation for a lifetime of leadership*.



FY2016

Increased participation of those traditionally under-represented in science and engineering is encouraged.



Finding Information

Directorate Pages from <http://www.nsf.gov>

The screenshot shows the NSF website interface in a Mozilla Firefox browser. The main navigation bar includes links for HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT, and FastLane. A banner image at the top features the text "Learning by Gaming" and "FEATURES 1 2 3 4 II".

The "Looking for Funding?" section is highlighted with a red circle. It contains a dropdown menu for "Program Areas" with the following options: Select One, Biology, Computer, Info. Sci., Eng, Crosscutting NSF-wide, Education, Engineering, Environmental Research, Geosciences, Integrative Activities, International, Math, Physical Sciences, and Polar Research. The "Education" option is selected and circled in red.

Other visible sections include "Latest News" with articles such as "Engaging the YouTube Generation in Hands-on Science" and "A Computer That Can 'Read' Your Mind". The "Events Calendar" section lists "All Events", "Advisory Committee Meetings", "National Science Board Meetings", and "Proposal Review Panels".

The footer contains the NSF logo, contact information for the National Science Foundation (4201 Wilson Boulevard, Arlington, Virginia 22230, USA), and a "Last Updated: Feb 08, 2008" notice.