



NATIONAL SCIENCE FOUNDATION
GRANTS CONFERENCE

February 29 - March 1, 2016

Hosted by Portland State University



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Introduction and NSF Overview

Speaker

Martha Rubenstein

Chief Financial Officer and Office Head, Office of Budget,
Finance & Award Management



Ask Early, Ask Often!



Topics Covered

- **Origins of NSF**
- **NSF Organization**
- **NSF Budget in the Federal Context**
- **NSF Fiscal Year 2017 Budget**
- **Funding Trends**
- **Key Documents**
- **Questions**



NSF Mission



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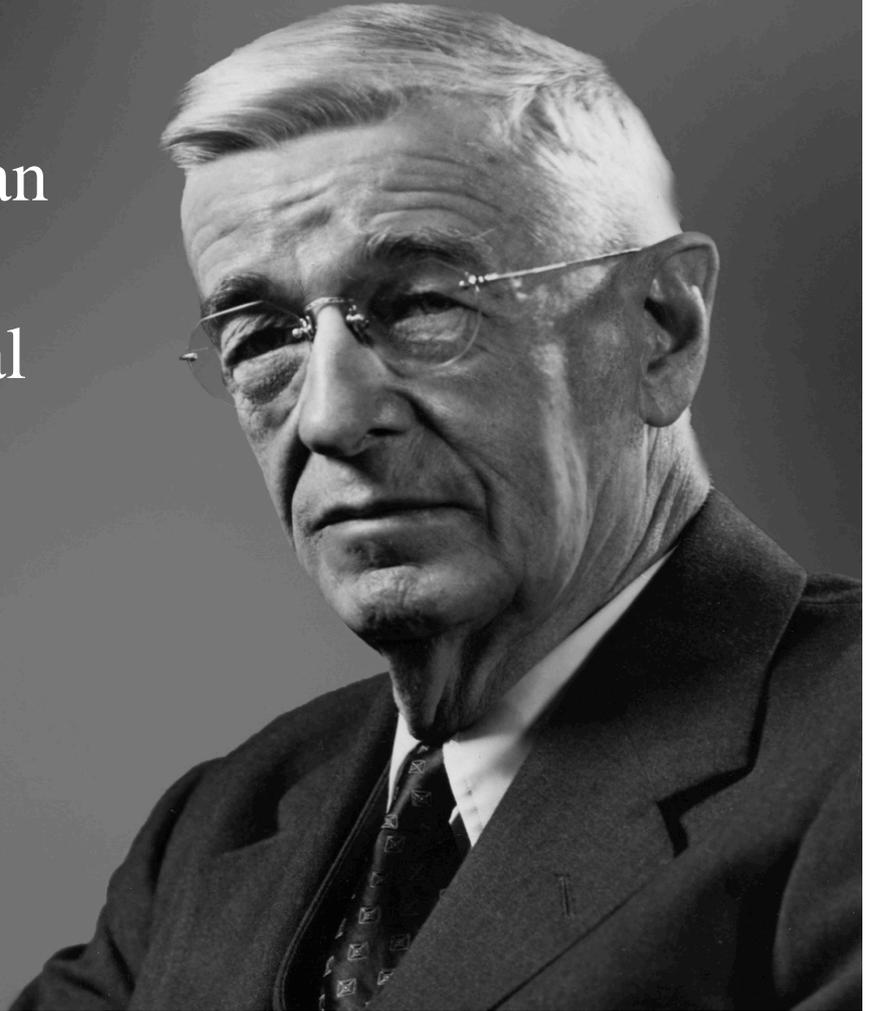


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Supporting Basic Research

Basic research results in general knowledge and an understanding of nature and its laws. This general knowledge provides the means of answering a large number of important practical problems.

- Vannevar Bush



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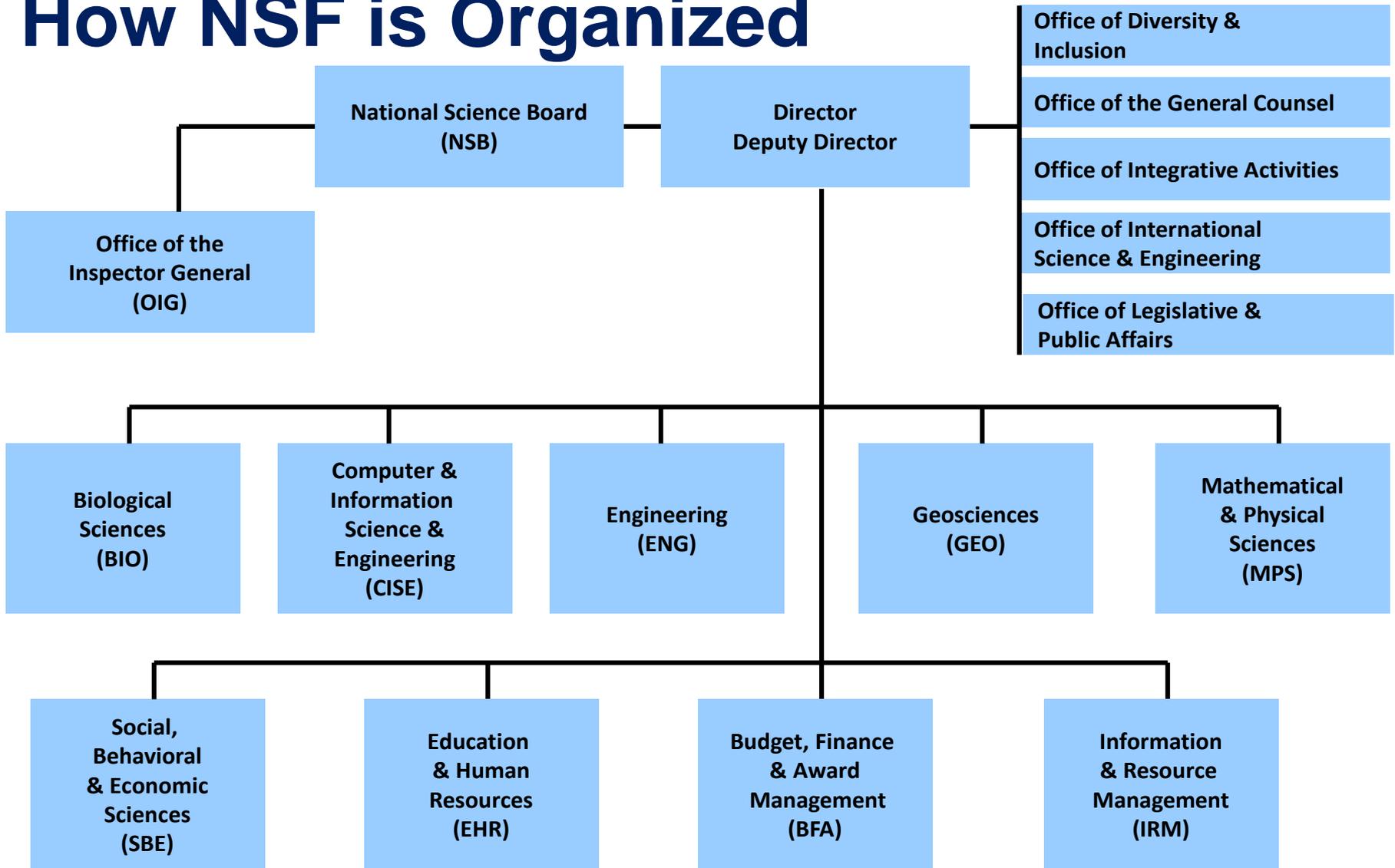
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NSF in a Nutshell

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

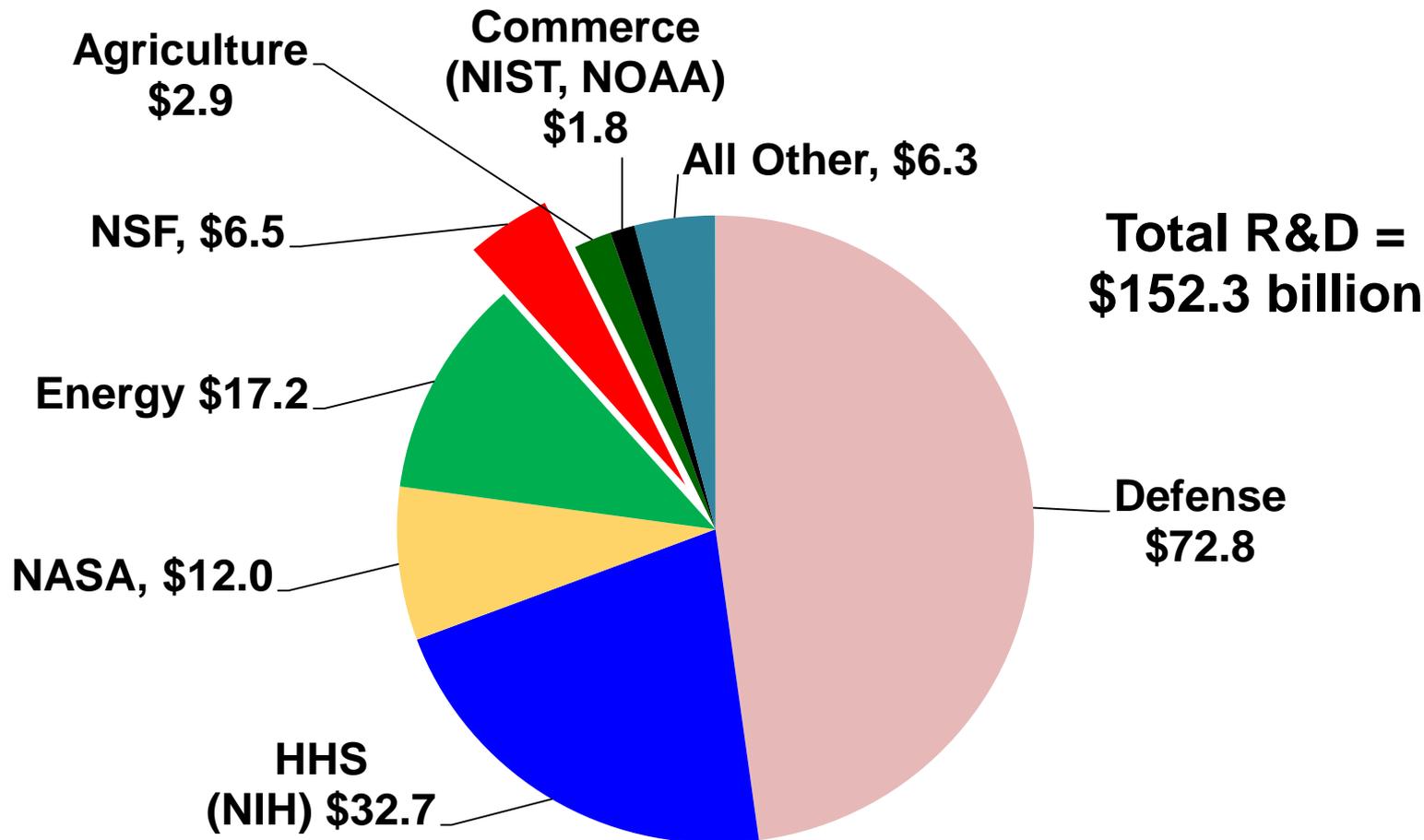


How NSF is Organized



FY 2017 Request: Total R&D by Agency

Budget Authority in Billions of Dollars



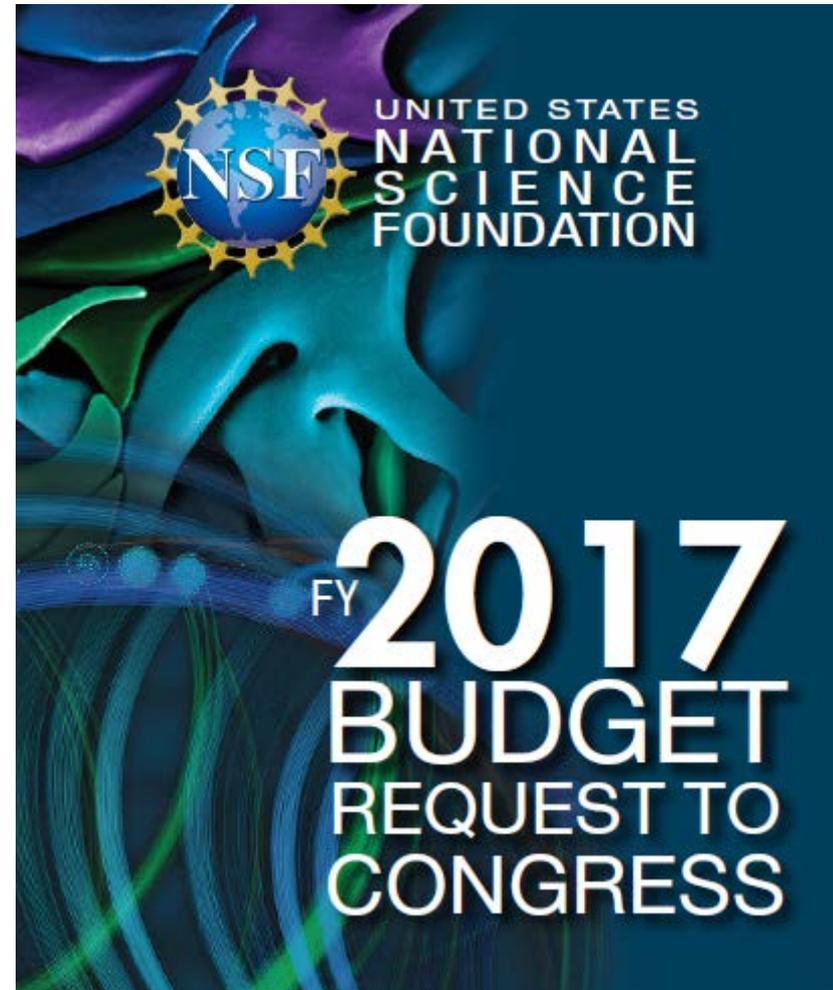
Total NSF Request

\$7.964 billion

- \$501 million increase
- 6.7 percent over FY 2016 Enacted

Two Funding Sources

- \$7.564 billion, discretionary funding (+1.3 percent)
- \$400 million, new one-time mandatory/direct spending authority



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NSF by the Numbers

\$8B FY 2017
budget request

93% funds research,
education and
related activities

 **50,000**
proposals



12,000
awards funded



2,000
NSF-funded
institutions



350,000
NSF-supported
researchers



Fund research in
all S&E
disciplines



Fund STEM
education &
workforce



217
Nobel Prize
winners



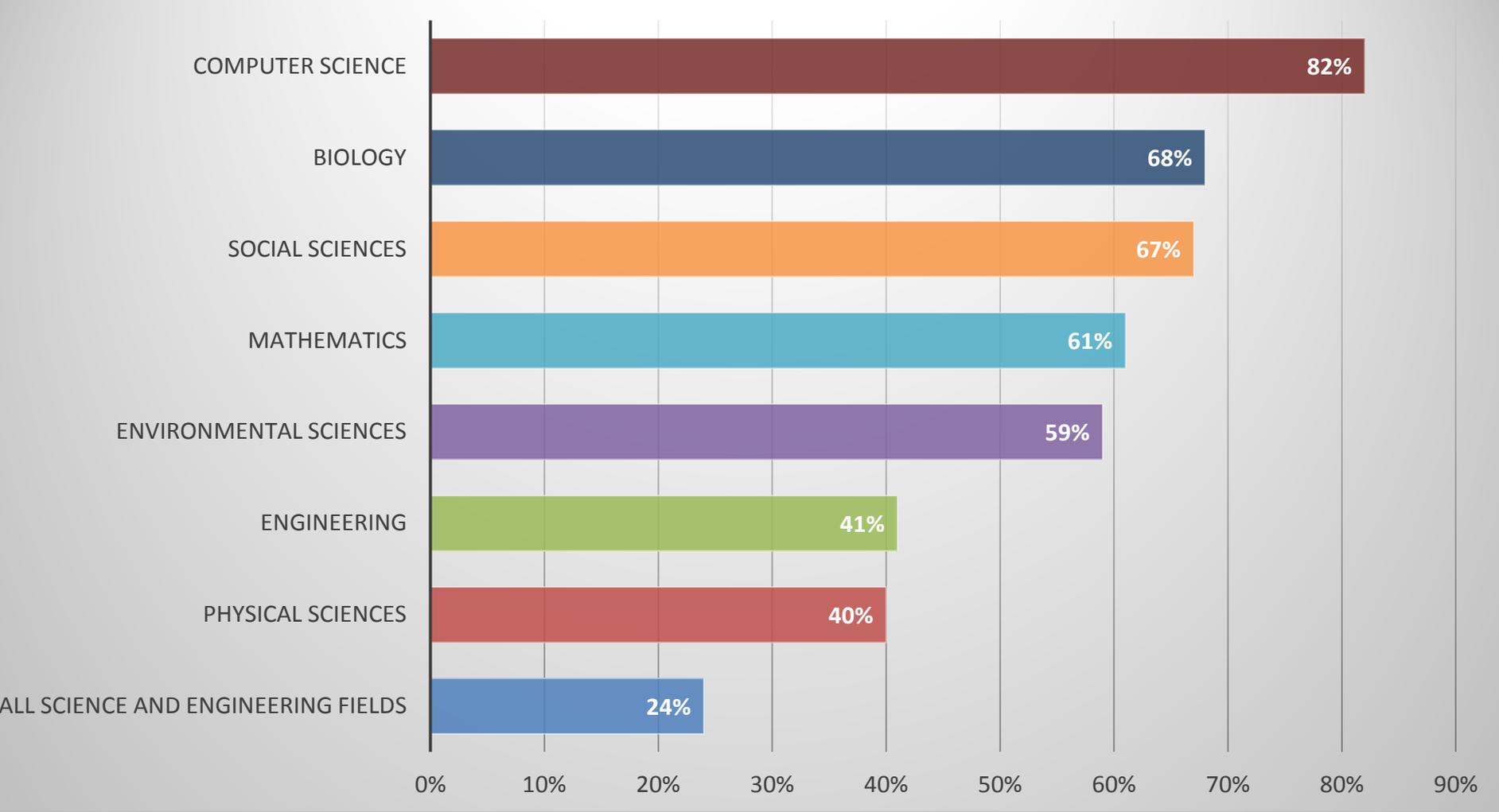
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NSF Support of Academic Basic Research in Selected Fields

(as a percentage of total federal support)



FY 2017 Budget Request

NSF Budget by Appropriation (\$ in millions)

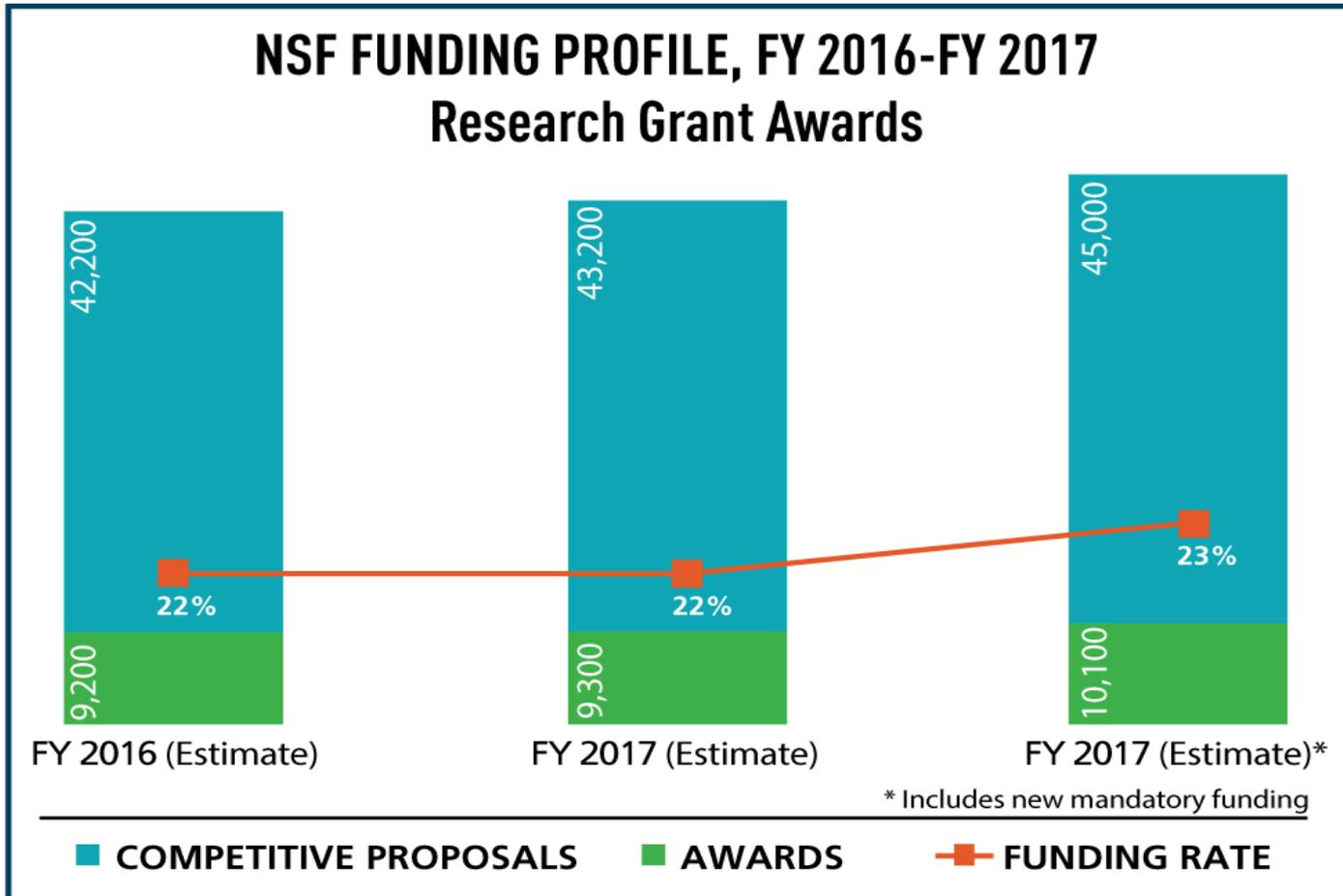
	FY 2017 Request	Change over FY 2016	
		Amount	Percent
Research & Related Activities	\$6,425.44	\$391.79	6.5%
Education & Human Resources	952.86	72.86	8.3%
Major Research Equipment & Facilities Construction	193.12	-7.19	-3.6%
Agency Operations & Award Management	373.02	43.02	13.0%
National Science Board	4.38	*	*
Office of Inspector General	15.20	*	*
Total NSF	\$7,964.02	\$500.53	6.7%

Totals may not add due to rounding.

* denotes <\$50,000 or <1%



NSF Funding Profile, FY 2016 - 2017



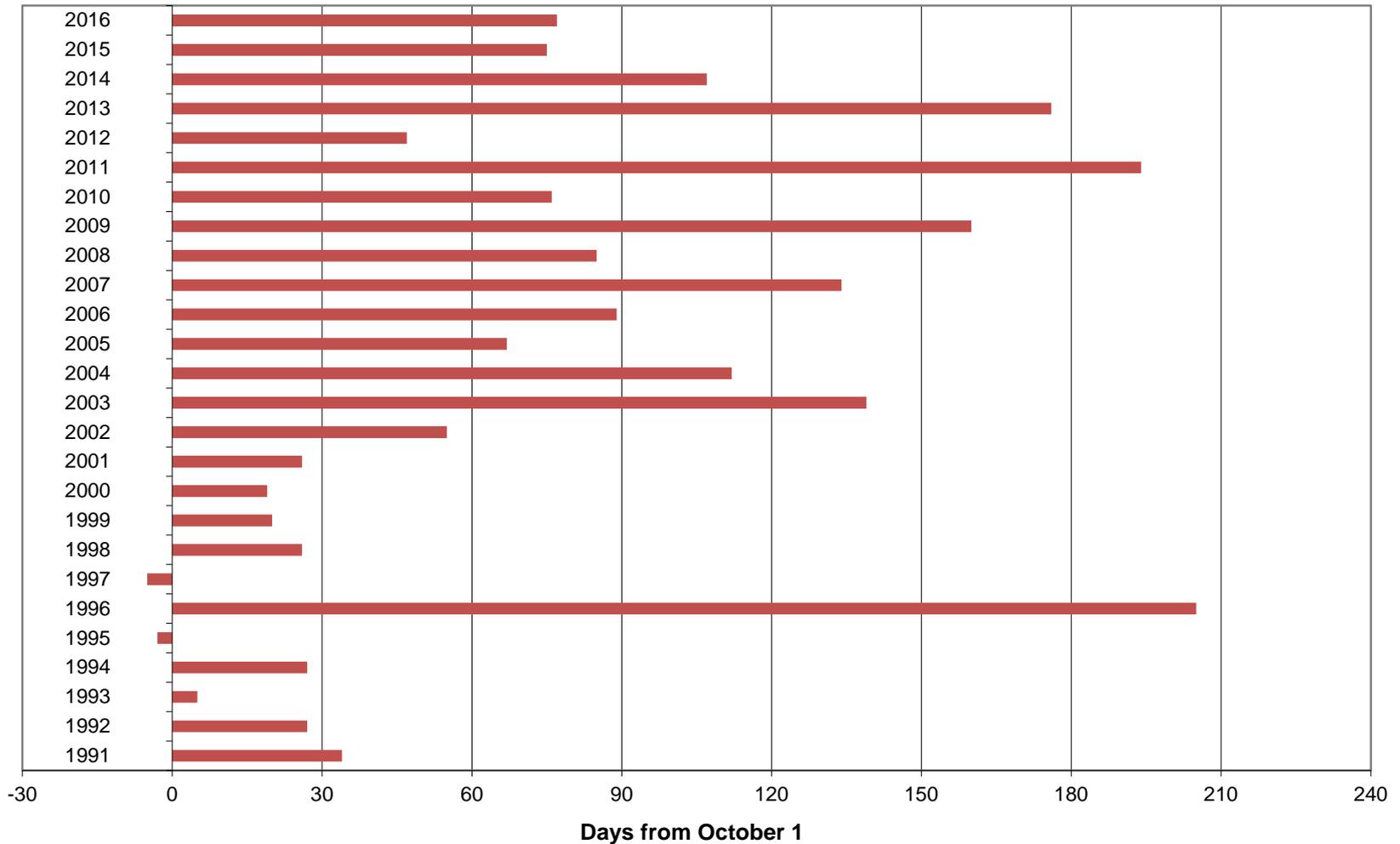
What to Watch

- Budget hearings - March
- Action on FY 2017 appropriations
- NSF's Reauthorization

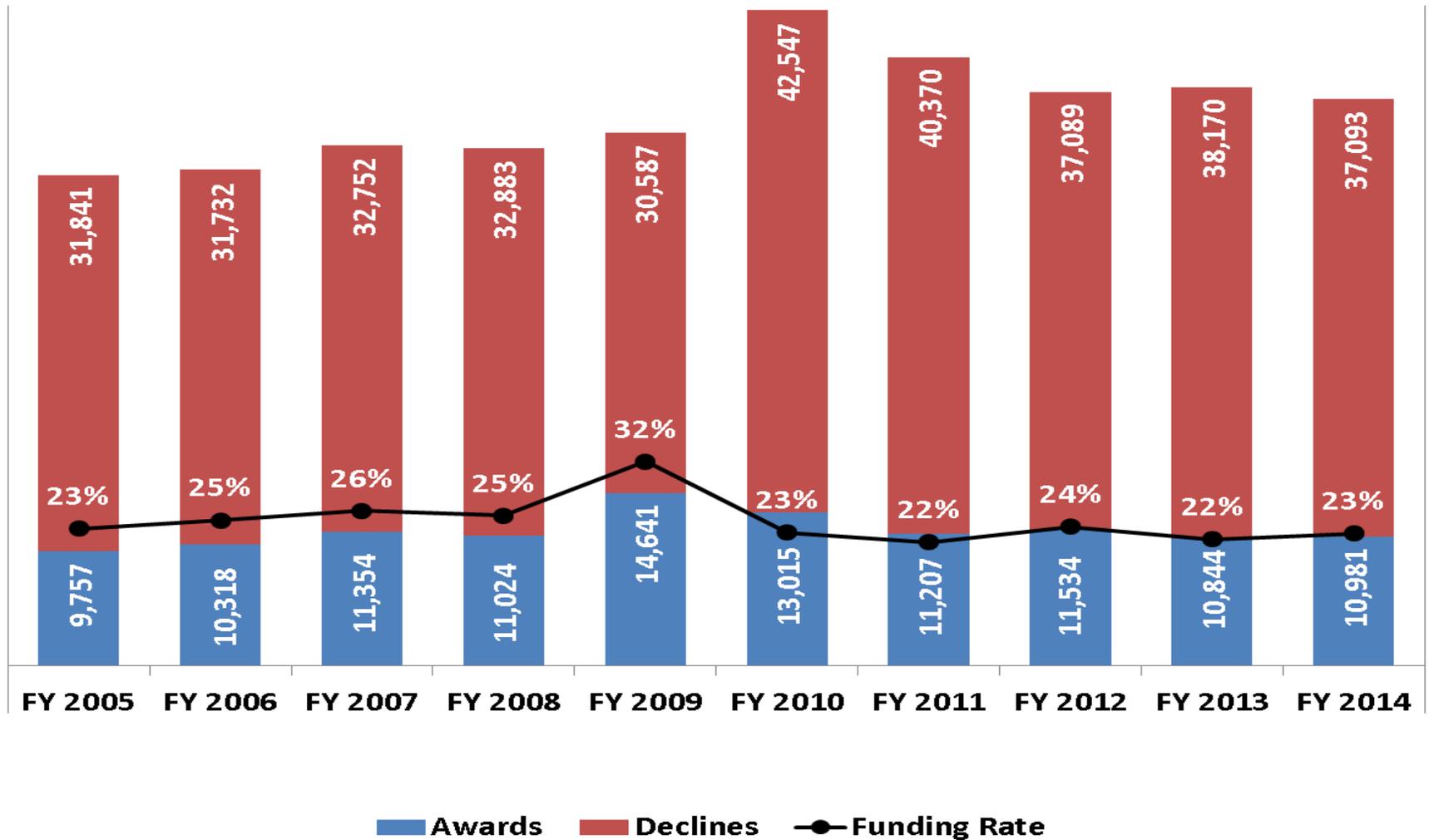


Appropriations Drift - 1991 to 2016

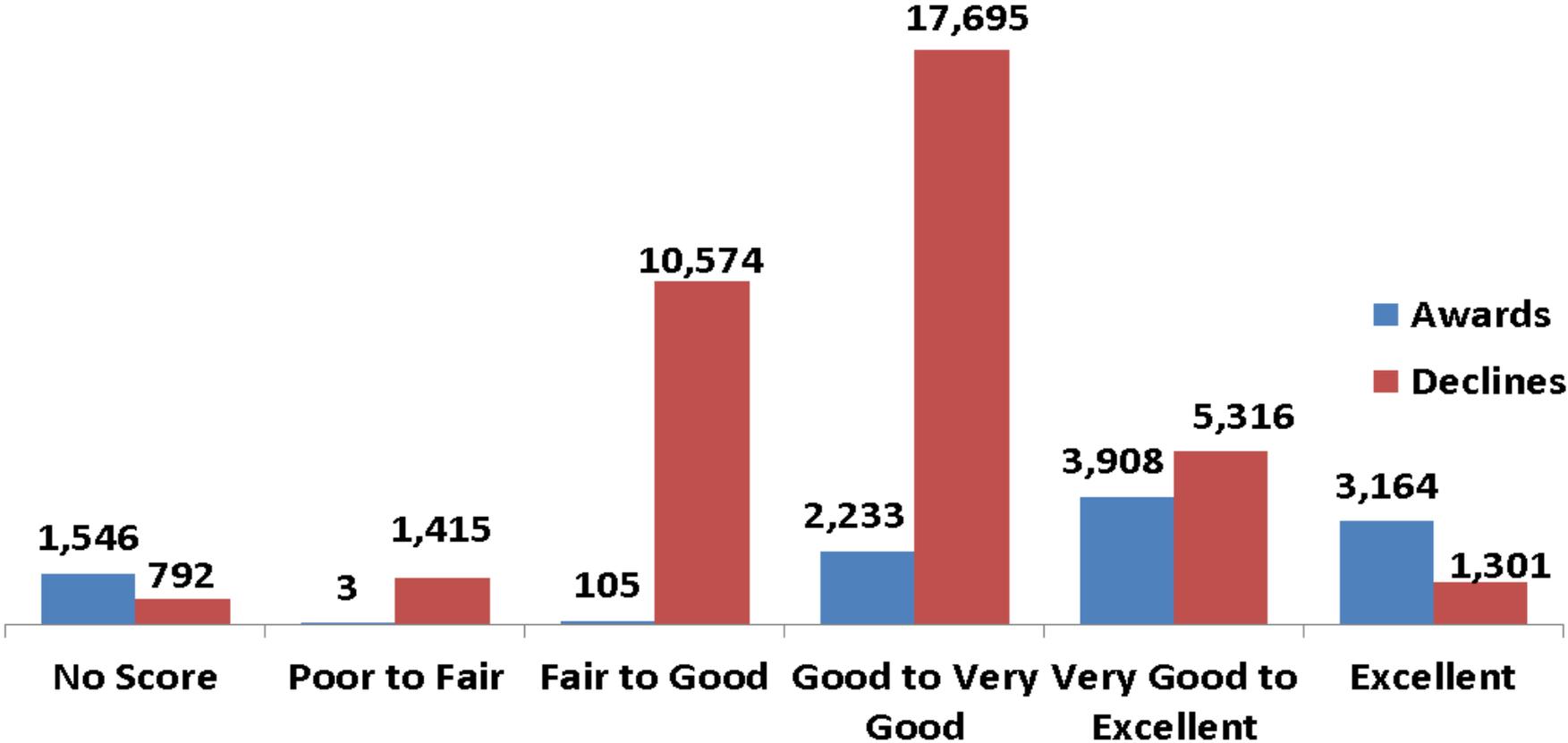
NSF Appropriations Dates versus Start of Federal Fiscal Year Oct. 1



NSF Competitive Awards, Declines & Funding Rates



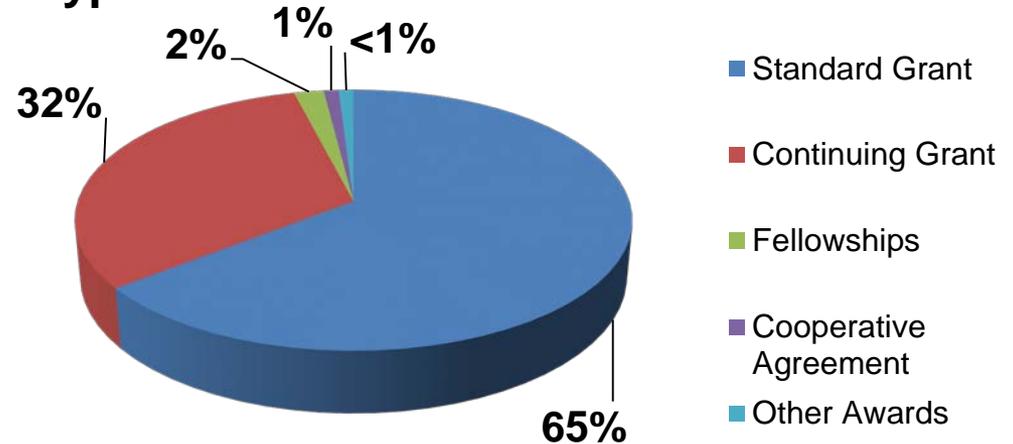
Distribution by Average Reviewer Ratings for Awards and Declines, FY 2014



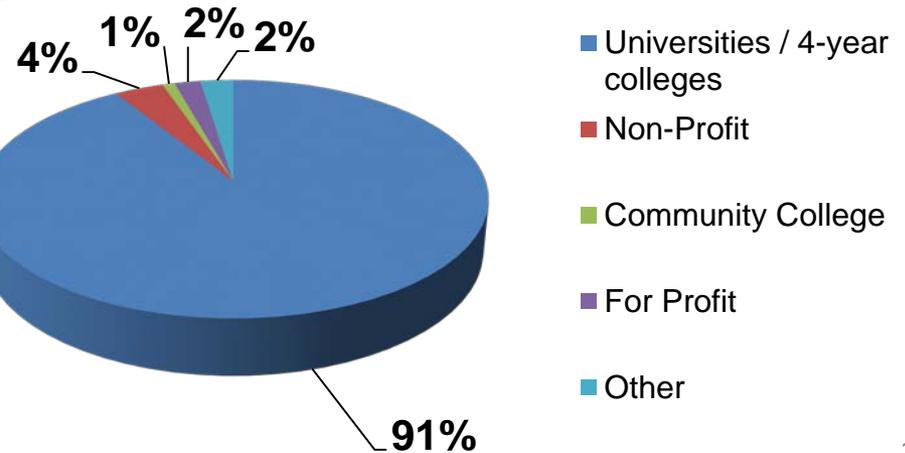
NSF Award Portfolio

- Over \$27 billion in total award funding
- Over 42,000 active awards
 - Standard and continuing grants
 - Cooperative agreements
 - Graduate research fellowships
 - Other awards
- Over 2,000 Awardees
 - Universities / 4-year colleges
 - Non-profit organizations
 - For-profit organizations
 - Community colleges
 - Other awardees

Type of Award Instrument



Type of Awardee Institution



Conference Award Portfolio

- Portland State University
 - 81 active awards totaling \$29.6 million
 - 446 lifetime awards totaling \$111.9 million

- Conference Attendees
 - 100 of 110 organizations registered have 12,604 active awards totaling \$7.6 billion



Key Documents

- **Proposal & Award Policies & Procedures Guide**

www.nsf.gov/publications/pub_summ.jsp?ods_key=papp

- **Fiscal Year 2017 Budget Request**

www.nsf.gov/about/budget/fy2017/index.jsp

- **NSF Strategic Plan for Fiscal Years 2014-2018**

www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14043

- **NSB Report on Merit Review**

www.nsf.gov/nsb/publications/pub_summ.jsp?ods_key=nsb1333



For More Information

Ask Early, Ask Often!

[nsf.gov/staff](https://www.nsf.gov/staff)

[nsf.gov/staff/orglist.jsp](https://www.nsf.gov/staff/orglist.jsp)

[nsf.gov/about/career_opps/rotators/index.jsp](https://www.nsf.gov/about/career_opps/rotators/index.jsp)

