Panelist

Martha Rubenstein
Chief Financial Officer and 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 2016 Budget Request
• Funding Trends
• Key Documents
• Questions
Origins of NSF

• “The Government should accept new responsibilities for promoting the flow of scientific knowledge and the development of scientific talent in our youth.”
  – Science - The Endless Frontier, 1945

• 1947: Congress Approves, Truman Vetoes

• 1950: Compromise Bill Approved & Signed by Truman

NSF Act of 1950

• “To promote the progress of science...”

• NSB (24) and 1 Director, appointed by the President

• Encourage & develop a national policy for the promotion of basic research and education in the math, physical, medical, biological, engineering and other sciences

• Initiate & support basic scientific research in the sciences

• Evaluate the science research programs undertaken by agencies of the Federal government

• Provide information for S&E policy formation
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

Personnel Update

Joanne Tornow, selected as Head, Office of Information & Resource Management

Rebecca Spyke Keiser, selected as Head, Office of International Science & Engineering

Dr. James Olds, selected as Assistant Director for Biological Sciences
Personnel Update

Dr. James Kurose selected as Assistant Director for the Directorate for Computer & Information Science & Engineering

Dr. Fay Lomax Cook selected as Assistant Director for the Directorate for Social, Behavioral & Economic Sciences

NSF Organizational Chart
FY 2016 Request: Total R&D by Agency
Budget Authority in Billions of Dollars

- Defense: $72.1
- HHS (NIH): $31
- NASA: $12.2
- Energy: $12.6
- NSF: $6.3
- Agriculture: $2.9
- Commerce (NIST, NOAA): $2.1
- All Other: $6.4
- Total R&D = $145.6 billion

The Big Picture

FY 2016 Budget Request
Total: $7.72 billion
Increase: $379.34 million
5.2% over FY 2015
## FY 2016 Budget Request

### NSF Budget by Appropriation ($ in millions)

<table>
<thead>
<tr>
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<th>FY 2016 Request</th>
<th>Change over FY 2015</th>
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<tbody>
<tr>
<td></td>
<td>Amount</td>
<td>Percent</td>
</tr>
<tr>
<td>Research &amp; Related Activities</td>
<td>$6,186.30</td>
<td>$252.66</td>
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<tr>
<td>Education &amp; Human Resources</td>
<td>962.57</td>
<td>96.57</td>
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<tr>
<td>Major Research Equipment &amp; Facilities Construction</td>
<td>200.31</td>
<td>-0.45</td>
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<tr>
<td>Agency Operations &amp; Award Management</td>
<td>354.84</td>
<td>29.84</td>
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<tr>
<td>National Science Board</td>
<td>4.37</td>
<td>*</td>
</tr>
<tr>
<td>Office of Inspector General</td>
<td>15.16</td>
<td>0.73</td>
</tr>
<tr>
<td><strong>Total NSF</strong></td>
<td><strong>$7,723.55</strong></td>
<td><strong>$379.34</strong></td>
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Totals may not add due to rounding.

* Denotes <$500,000.

## FY 2016 Budget Action to Date

### National Science Foundation

#### FY 2016 Request to Congress versus House Subcommittee Mark

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<td></td>
<td>Amount</td>
<td>Percent</td>
<td>Amount</td>
<td>Percent</td>
<td>Amount</td>
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<tr>
<td>Research &amp; Related Activities</td>
<td>$5,933.65</td>
<td>0.8%</td>
<td>$5,983.65</td>
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<td>$202.66</td>
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<td>Education &amp; Human Resources</td>
<td>866.00</td>
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<td>866.00</td>
<td>-</td>
<td>-6.57</td>
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<td>Major Research Equipment and Facilities Construction</td>
<td>200.76</td>
<td>-0.73</td>
<td>200.03</td>
<td>-0.4%</td>
<td>-0.28</td>
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<td>Agency Operations and Award Management</td>
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<td>325.00</td>
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<tr>
<td>National Science Board</td>
<td>4.37</td>
<td>-</td>
<td>4.37</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Office of Inspector General</td>
<td>14.43</td>
<td>5.1%</td>
<td>15.16</td>
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<td><strong>Total, NSF</strong></td>
<td><strong>$7,344.21</strong></td>
<td><strong>0.7%</strong></td>
<td><strong>$7,394.21</strong></td>
<td><strong>202.66</strong></td>
<td><strong>-3.3%</strong></td>
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Totals may not add due to rounding.
What To Watch

- FY 2016 Congressional Action
  - Authorization
  - Appropriations

- FY 2017 Planning
Distribution by Average Reviewer Ratings for Awards and Declines, FY 2014

NSF Award Portfolio

- $27.8 billion in total award funding
- 42,125 active awards
  - Standard and continuing grants
  - Cooperative agreements
  - Graduate research fellowships
  - Other awards
- Awardee Institution Types
  - Universities / 4-year colleges
  - Non-profit organizations
  - For-profit organizations
  - Community colleges
  - Other awardees
Conference Award Portfolio

• State System of Florida
  – 956 active awards totaling $517 million
  – 7,387 lifetime awards totaling $2.4 billion

• Conference Attendees
  – 118 of 142 organizations registered have
    14,090 active awards totaling $10 billion
  – 123,282 lifetime awards totaling $46 billion

Key Documents

• Proposal & Award Policies & Procedures Guide

• Fiscal Year 2016 Budget Request
  www.nsf.gov/about/budget/fy2016/index.jsp

• NSF Strategic Plan for Fiscal Years 2014-2018

• NSB Report on Merit Review
For More Information

Ask Early, Ask Often!

nsf.gov/staff
nsf.gov/staff/orglist.jsp
nsf.gov/about/career_opps/rotators/index.jsp