Global Positioning: Locating Avenues for International Funding at the National Science Foundation

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Composition of the Proposed FY 2016 Budget
Total Outlays = $4.0 trillion

Net Interest $283
Defense Discretionary $528
[Defense R&D] $77
Nondefense Discretionary $495
[Nondefense R&D] $69
Social Security $938
Medicare $583
Medicaid $351
Other Mandatory $670

R&D figures above are AAAS estimates of proposed budget authority. Source: Budget of the United States Government FY 2016. Projected deficit is $474 billion. © 2015 AAAS
Total R&D by Agency, FY 2015
budget authority in billions of dollars

Total R&D = $136.5 billion
(OGS Initiative is an extra $5.3 billion)

- HHS (NIH), $31.1
- DOE, $12.3
- NASA, $11.6
- NSF, $5.6
- USDA, $2.4
- Commerce, $1.6
- All Other, $6.2
- DOD, $65.7

Source: OMB R&D data, agency budget justifications, and other agency documents and data. R&D includes conduct of R&D and R&D facilities. © 2014 AAAS
Introduction to NSF

• NSF is a domestic science funding agency that funds extramural, fundamental research (no intramural research or applied/derivative research)

• Based on merit review, NSF funds researchers, predominantly through their U.S. institutions (80% of funding to universities)

• NSF funds U.S.-based researchers to work internationally, but does not fund capacity building or international researchers

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INTERNATIONAL AT NSF
Resources

- **Access** to unique facilities and equipment
- **Share** costs and risks
- **Exchange** techniques and insights

Capacity

- **Strengthen / Expand** knowledge base
- **Attract** talent
- **Enhance** S&T-led economic performance

Objectives

- **Address** national, transnational or global problems
- **Foster** science diplomacy
- **Access** foreign markets
- **Pursue** personal / professional goals

November, 2012
• Intellectual partnerships and mutual benefit are clear

• U.S. students and junior researchers are engaged internationally

• Global networks linking expertise and resources are common

Make a case in your proposal!
Most international research and education activities are funded by NSF disciplinary programs:

- As part of regular awards
- As supplements to regular awards
Examples of NSF programs that include an explicit international dimension:

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<th>Agency</th>
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<td>Dimensions Of Biodiversity; BREAD</td>
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<td>CISE</td>
<td>Collaborative Research in Comp Neuroscience; GENI</td>
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<tr>
<td>GEO</td>
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<tr>
<td>EHR</td>
<td>GRF Nordic Supplement; IGERT Traineeship</td>
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<td>ENG</td>
<td>Earthquake Research; Synthetic Biology; Nanotech.</td>
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<td>MPS</td>
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<td>SBE</td>
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<td>GEO/OPP</td>
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<td>OIIA</td>
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More Tools for International Engagement

• Science Across Virtual Institutes (SAVI)
• Partnerships for Enhanced Engagement in Research (PEER-Science)
• Newtons List
SAVI provides a platform for teams of NSF-funded investigators to network with partners abroad, leverage resources to advance shared research interests, and engage students in international collaboration.

SAVI is a mechanism, not a stand-alone program.
The United States Agency for International Development (USAID) has joined with several U.S. Government (USG) supported agencies to support Partnerships for Enhanced Engagement in Research (PEER). Administered by the U.S. National Academy of Sciences (NAS), PEER is a competitive grants program that invites scientists in developing countries, partnered with USG-supported collaborators, to apply for funds to support research and capacity-building activities on topics with strong potential development impacts. This innovative program is designed to leverage the investments other USG-supported agencies have made in scientific research and training while supporting the initiatives of developing country scientists.

Learn more...
Welcome to Newton’s List, a tool for funders and grantseekers interested in collaborative international research and education.

Post a Funding Opportunity
For individuals looking to share information on a current funding opportunity, click here

Search for Opportunities
For scientists and researchers seeking support, click here

Share Your Thoughts
Tell us about your experience with Newton’s List
Take our survey for grantseekers and funding agency representatives
Have a story about how Newton’s List helped you? Email us at newtonslist@crdfglobal.org
What about students?
NSF Programs for an Internationally Engaged Workforce

- (International) Research Experiences for Undergraduates (iREU)
- International Research Experiences for Students (IRES)
- Graduate Research Fellowship Program (GRFP/GROW)
- East Asia Pacific Summer Institutes (EAPSI)
- (International) Postdoctoral Research Fellowship Program *
East Asia and Pacific Summer Institutes (EAPSI)

(for graduate students)
Research experiences at host institutions in Australia, China, Japan, Korea, New Zealand, Singapore, or Taiwan

- $5,000 stipend for 8-10 weeks from June to August
- Pre-departure orientation in Washington, D.C.
- International round-trip airfare to the host location
- Orientation to science and culture at each location
- Abroad living expenses by host country
Graduate Research Opportunities Worldwide

- Offers opportunities to NSF Graduate Research Fellows for 2-12 month international research collaborations
- 2015 Partners: Australia, Austria, Brazil, Chile, Denmark, Finland, France, India, Ireland, Japan, Korea, Netherlands, Norway, Singapore, Sweden, and Switzerland
- U.S. Agency for International Development is providing “GROW with USAID” opportunities for development research in: Brazil, Colombia, India, Indonesia, Philippines, Senegal, and South Africa
- Contact: grow@nsf.gov

Tips for Contacting NSF PDs/POs

Don’t hesitate to contact your program director, but be prepared...

- One page summary of research interests emailed in advance
- Schedule 15-30 minutes, and watch the time
- Meet at professional meetings and on DC visits
- Volunteer to be a reviewer (mail or panel)
- Submit substantive reviews on time
- Ask your program director for suggestions of other relevant programs
- Contact NSF International as well as directorate
Questions?

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