Panelists

**Sankar Basu**  
Program Director, Directorate for Computer & Information Science & Engineering; Division of Computing & Communication Foundations

**George Hazelrigg**  
Acting Division Director, Directorate for Engineering, Division of Civil, Mechanical & Manufacturing Innovation

**Susan Sterett**  
Program Director, Directorate for Social, Behavioral & Economic Sciences; Division of Social & Economic Sciences

**Jermequina Tupas**  
Deputy Division Director, Directorate for Education & Human Resources; Division of Human Resource Development
Topics Covered

- ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE)
- Graduate Research Fellowship Program (GRFP)
- Grant Opportunities for Academic Liaison with Industry (GOALI)
- NSF Research Traineeship Program (NRT)
- Research Experiences for Undergraduates (REU)
- Research in Undergraduate Institutions (RUI)
- Grants for Rapid Response Research (RAPID) & EArly-concept Grants for Exploratory Research (EAGER)

Find Funding for Crosscutting Programs

Go to [http://www.nsf.gov/funding/pgm_list.jsp?type=xcut](http://www.nsf.gov/funding/pgm_list.jsp?type=xcut)
ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers

• Contact:
  New Information to be posted soon

• Deadlines:
  Letter of Intent due dates vary by track
  Full Proposal deadlines:
  - September 22, 2014: PLAN IHE
  - October 3, 2014: PLAN D
  - November 3, 2015: IT Catalyst
  - January 20, 2016: IT

• Program Goal:
  - To develop systemic approaches to increase the representation and advancement of women in academic STEM careers.
  - To contribute to and inform the general knowledge base on gender equity in the academic STEM disciplines.

• Projects Supported in 2015-2016
  - Partnerships for Learning and Adaptation Networks: Institutions of Higher Education
  - Partnerships for Learning and Adaptation Networks: STEM Disciplines
  - Institutional Transformation Catalyst Projects support the evaluation of current institutional activities to identify areas for transformation and cultural change.
  - Institutional Transformation Projects systemically and permanently change institutional practices to promote women in STEM academics.

• ADVANCE does not support activities to increase or retain the number of women entering into or persisting in STEM doctoral degree programs.
ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers

Estimated Number of Awards: 20
Anticipated Funding Amount: $11 million

Graduate Research Fellowship Program (GRFP)

- Contact:
  GRFP Operations Center
  866-NSF-GRFP; 866-673-4737
  info@nsfgrfp.org

- Deadline:
  Fall 2014

- 2014 solicitation under development
Graduate Research Fellowship Program (GRFP)

- Individual applications: research-based master’s and doctoral degree in STEM including STEM education
- Awards about 2,700 for FY14
- Support STEM graduate students for 3 years
- 3-12 months research in partner countries

Graduate Research Fellowship Program (GRFP)

- Program Goals:
  - Select, recognize, and financially support individuals early in their careers with the demonstrated potential to be high achieving scientists and engineers.
  - Broaden participation in science and engineering of underrepresented groups, including women, minorities, persons with disabilities, and veterans.
Graduate Research Fellowship Program (GRFP)

- **Funding:**
  - Each Fellowship consists of three years of support usable over a five-year period.
  - For each year of support, NSF provides a stipend of $32,000 to the Fellow and a cost-of-education allowance of $12,000 to the degree-granting institution.

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Estimated Number of Awards: 2,700
Anticipated Funding Amount: $325 million
Grant Opportunities for Academic Liaison with Industry (GOALI)

- Contact disciplines for deadlines and contact information.
- Current solicitation number: 12-513

Grant Opportunities for Academic Liaison with Industry (GOALI)

- Program Goals:
  - To promote university-industry partnerships by making project funds or fellowships/traineeships available to support an eclectic mix of industry-university linkages.
  
  - To fund research that lies beyond that which industry would normally fund by themselves.

- The solicitation targets high-risk/high-gain research with a focus on fundamental topics, new approaches to solving generic problems, development of innovative collaborative industry-university educational programs, and direct transfer of new knowledge between academe and industry.
Grant Opportunities for Academic Liaison with Industry (GOALI)

- Eligibility Information:
  - For fellowships/traineeships, only U.S. citizens, nationals, or permanent residents are eligible to apply for support under this program.
  - NSF funds cannot go to an industry partner; they can only be used by the academic institution. The industry partner is expected to participate in the research effort to facilitate in the commercialization of the research.

Estimated Number of Awards: 60 to 80
Anticipated Funding Amount: $5 million
NSF Research Traineeship Program (NRT)

• Contact Information: nrt@nsf.gov; 703-292-8696

• Deadlines:
  − May 20, 2014 – Letter of Intent (Optional)
  − June 24, 2014 – Full Proposal

• Current Solicitation Number: 14-548

NSF Research Traineeship Program (NRT)

• Integrative Graduate Education and Research Traineeship Program (IGERT) & NSF Graduate Fellows in K-12 Education (GK-12)

• Allow for institutional traineeship program; focus on national needs in science and engineering enterprise

• Incorporate plans for transforming aspects of graduate programs and experiences at those institutions

• Institutional program for masters and doctoral students; focus on academic and non-academic STEM careers

• Emphasis on partnerships with industry
NSF Research Traineeship Program (NRT)

- **Program Goals:** To encourage the development of bold, new, potentially transformative, and scalable models for STEM graduate training that ensure that graduate students develop the skills, knowledge, and competencies needed to pursue a range of STEM careers.

- **Eligibility Information:**
  - PI must be on the faculty of the submitting institution
  - Each institution may submit up to two proposals
  - An individual may serve as PI or Co-PI on only one NRT proposal

**Estimated number of awards:** 8 to 10

**Anticipated funding amount:** $24 to $30 million
Research Experiences for Undergraduates (REU)

REU Sites:

• **Program Goals:**
  - To initiate and conduct projects that engage a number of undergraduate students in research.
  
  - To involve students in research who might not otherwise have the opportunity, particularly those from academic institutions where research programs are limited.

• **Recruitment:**
  - Significant percentage of students from outside host institution.
Research Experiences for Undergraduates (REU)

REU Supplements:

• Program Goal:
  – To provide support for one or two undergraduate students to participate in research, as part of a new or ongoing NSF-funded research project.

REU Special Opportunities:

– Partnership with the Department of Defense
– Partnership with the Department of Energy's Geothermal Technologies Program
– International Projects
– Research Experiences for Teachers

Estimated Number of Awards:
180 new site awards and 1,600 new supplement awards per year

Anticipated Funding Amount:
$68 million

REU activity may be funded in several different ways:

– A standard or continuing grant (for REU Sites)
– A supplement to an existing award
– A component of a new or renewal grant or cooperative agreement
Research in Undergraduate Institutions (RUI)

- Contact discipline for deadlines and contact information
- Current solicitation number: 00-144

**Program Goals:**
- To support high quality research with active involvement of undergraduates.
- To strengthen the research environment in undergraduate institutions.
- To promote integration of research and education in undergraduate institutions.

**Proposal Types:**
- Regular research
- Multi-user instrumentation
- Research opportunity awards

**Eligibility Information:**
- Institutions that award an average of 10 or fewer Ph.D. or D.Sc. Degrees per year in all NSF-supportable disciplines are eligible.
Research in Undergraduate Institutions (RUI)

Estimated Number of Awards: Varies across disciplinary research programs

Anticipated Funding Amount: Varies across disciplinary research programs

Grants for Rapid Response Research (RAPID)

The RAPID funding mechanism is for projects having a severe urgency with regard to availability of, or access to data, facilities or specialized equipment, including quick-response research on natural or anthropogenic disasters and similar unanticipated events.
RAPID

- Requests may be for up to $200K and for one year of duration
- The project description is expected to be brief; no more than five pages
- Only internal merit review is required for RAPID proposals. Under rare circumstances, Program Officers may elect to obtain external reviews. If external merit review is to be used, then the PI will be informed

EArly-concept Grants for Exploratory Research (EAGER)

- The EAGER funding mechanism may be used to support exploratory work in its early stages on untested, but potentially transformative, research ideas or approaches.
- This work is considered especially "high risk-high payoff" because it involves radically different approaches, applies new expertise, or engages novel disciplinary or interdisciplinary perspectives.
EAGER

• Requests may be for up to $300K and for two years of duration
• Only internal merit review is required. Under rare circumstances, Program Officers may elect to obtain external reviews. If external merit review is to be used, then the PI will be informed
• No-cost extensions, and requests for supplemental funding may be requested but are subject to full external 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