Directorate for Education and Human Resources

An Overview
NSF Grants Conference
March 11-12, 2013
Education excellence in all of NSF’s research activities and research excellence in all of NSF’s educational activities

--Dr. Subra Suresh, NSF Director
EHR Mission

The mission of EHR is to achieve excellence in U.S. STEM education at all levels and in all settings to support the development of a diverse and well-prepared workforce and well-informed citizenry.
EHR’s Organizational Structure

Office of the Assistant Director

Division of Graduate Education (DGE)

Division of Human Resource Development (HRD)

Division of Research on Learning in Formal and Informal Settings (DRL)

Division of Undergraduate Education (DUE)
EHR Investments

- Core R&D Investments
  - STEM Learning and Learning Environments
  - Broadening Participation and Institutional Capacity in STEM
  - STEM Professional Workforce Preparation
- Leadership Investments
- Expedition Investments
EHR INVESTMENT

Investment Focus by Population

- PK-12 Students
- K-12 Teachers
- College Faculty
- Undergrad Students
- Graduate Students
- Public/Adults
Division of Research on Learning in Formal and Informal Settings

- Core R&D Launch: STEM Learning
- Advancing Informal STEM Learning (AISL)
- Discovery Research K-12 (DR-K12)
- Innovative Technology Experiences for Students and Teachers (ITEST)
- Math and Science Partnerships (MSP)
- Promoting Research and Innovation in Methodologies for Evaluation (PRIME)
- Research on Education and Learning (REAL)
Division of Undergraduate Education

- Core R&D Launch: STEM Learning Environments
- Advanced Technological Education (ATE) (Joint with DRL)
- STEM Talent Expansion Program (STEP)
- Transforming Undergraduate Education in STEM (TUES)
- Widening Implementation and Demonstration of Evidenced-based Reforms (WIDER)
- Robert Noyce Scholarship Program
- CyberCorps: Scholarships for Service (SFS)
- NSF Scholarships in STEM (S-STEM)
- Secure and Trustworthy Cyberspace
Division of Human Resource Development

- R&D Core Launch: Broadening Participation and Institutional Capacity STEM
- ADVANCE
- Alliances for Graduate Education and the Profession (AGEP)
- Historically Black Colleges and Universities Program (HBCU-UP)
- Louis Stokes Alliances for Minority Participation (LS-AMP)
- Tribal Colleges & Universities Program (TCUP)
- Centers for Research Excellence in Science and Technology (CREST)
Division of Graduate Education

- R&D Coe Launch: STEM Professional Workforce Development
- Integrative Graduate Education and Research Traineeship Program (IGERT)
- Integrative Graduate Education and Research Traineeship Program—CIF 21 Track
- NSF Graduate Research Fellowship Program (GRFP)
Cross-Cutting Initiatives

- Cyberlearning: Transforming Education (With CISE)
- Building Community and Capacity for Data-Intensive Research in the Social, Behavioral and Economic Sciences and in Education and Human Resources (BCC-SBE/EHR)
- Cooperative Activity with Department of Energy Programs in Education and Human Resources Development (Request for Supplement)
EHR Funding Rate

Overall EHR Funding Rate: 21%

- DGE: 12%
- DRL: 14%
- DUE: 22%
- HRD: 37%

- Actions
- Awards
ANSWER FUNDAMENTAL QUESTIONS

What are you trying to accomplish?
What will be the outcomes?

Why do you believe that you have a good idea?
Why is the problem important?
How does it tie into previous literature/efforts?
Why is your approach promising?

How will you manage the project to ensure success?
How will you know if you succeed?

How will others find out about your work?
How will you interest them?
How will you excite them?

Goals
Rationale
Evaluation
Dissemination
VISITING THE NSF WEBSITE
### WIDER Dear Colleague Letter Issued

The Directorate for Education and Human Resources announces an opportunity to seek funding for **Widening Implementation and Demonstration of Evidence-based Reforms**.

### Successful K-12 STEM Education Activities

“Successful K-12 STEM Education,” a report produced by the National Research Council, and funded by NSF, is a response to a request from a member of Congress, Rep. Frank Wolf, to identify the characteristics of highly successful K-12 schools and programs in STEM. Information about activities associated with the report are available from [Successful STEM Education.org](http://www.successfulstemeducation.org).

### Special Announcements

- NSF Announces [Science Across Virtual Institutes](http://www.savi.org) Initiative

### STEM Education Resources

- [Innovation Through Institutional Integration (I-3)](http://www.i3.org)
• Submit Proposals
• Serve as Reviewers and Panelists
• Be Active as Workshop Participants and Organizers
• Consider Being a Rotator

http://www.nsf.gov/about/career_opps/rotators/index.jsp

For information on a particular EHR division and program, go to the EHR website and choose a division.


Contact NSF Program Directors for questions and suggestions.
USEFUL RESOURCES

- Guide to Programs: [www.nsf.gov/funding/browse_all_funding.jsp](http://www.nsf.gov/funding/browse_all_funding.jsp)
- Award Information: [www.nsf.gov/awardsearch](http://www.nsf.gov/awardsearch)
- FastLane: [www.fastlane.nsf.gov](http://www.fastlane.nsf.gov)
- Funding Opportunities: [www.nsf.gov/funding](http://www.nsf.gov/funding)
QUESTIONS

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