

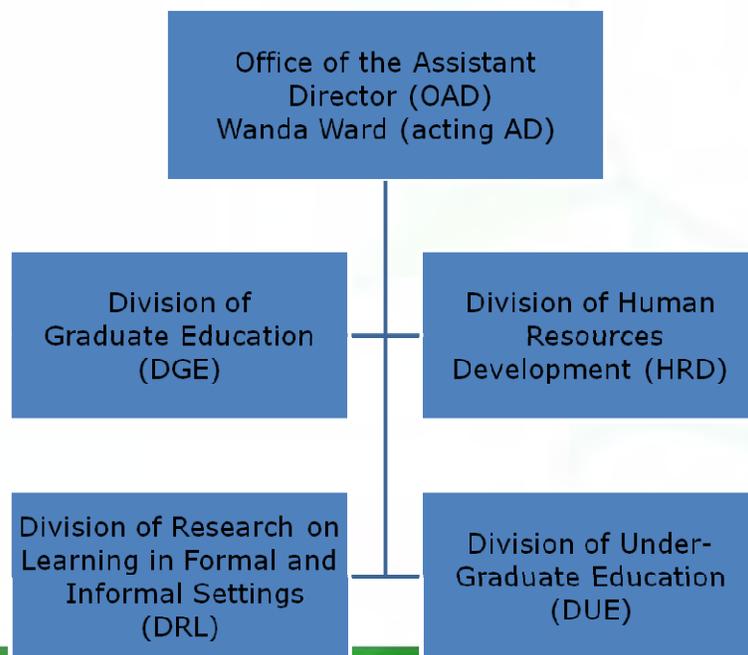
Education and Human Resources Directorate (EHR)

Regional Grants Conference
Jackson, MS
October 5&6, 2009
Jolene Kay Jesse



National Science Foundation

EHR's Organizational Structure



National Science Foundation

EHR's Mission

To enable excellence in U.S. STEM education at all levels and in all settings in order to support the development of a diverse and well-prepared workforce of scientists, technicians, engineers, mathematicians and educators



National Science Foundation

EHR's Goals

- To prepare the next generation of STEM professionals;
- To promote rigorous research and evaluation on STEM education and the workforce;
- To heighten the scientific literacy of the population; and
- To broaden participation in STEM



National Science Foundation

EHR's Priorities for FY2010

- Broadening Participation
- Enriching Teacher Education
- Ensuring a Vibrant Scientific Workforce
- Promoting Cyber-enabled Learning
- Furthering Public Understanding and Advancing STEM Literacy
- Promoting Learning through Research and Evaluation



National Science Foundation

Division of Graduate Education

- Integrative Graduate Education and Research Traineeships (IGERT)
- NSF Graduate Teaching Fellows in K-12 Education (GK-12)
- Graduate Research Fellowship Program (GRFP)
- Science Master's Program



National Science Foundation

Integrative Graduate Education and Research Traineeship Program (IGERT)

09-519 Solicitation

DUE DATES

Preliminary Proposal Deadline: March 13, 2009

Full Proposal Deadline: September 14, 2009
(By Invitation Only)



National Science Foundation

Graduate Research Fellowship Program (GRFP)

09-603 Solicitation

DUE DATES

- **Interdisciplinary fields of Study:** November 2, 2009
- **Mathematical Sciences; Computer and Information Sciences and Engineering:** November 4, 2009
- **Social Sciences; Psychology; Geosciences:** November 5, 2009
- **Life Sciences:** November 6, 2009
- **Chemistry; Physics and Astronomy:** November 10, 2009
- **Engineering:** November 12, 2009



National Science Foundation

NSF Graduate Teaching Fellows in K-12 Education (GK-12)

09-549 Solicitation

DUE DATES

Letter of Intent: April 20, 2010

Full Proposal Deadline: June 3, 2010



National Science Foundation

Science Master's Program

09-607 Solicitation

DUE DATES

Required Letter of Intent: October 5, 2009

Full Proposal Deadline: November 20, 2009

Only if a Letter of Intent has been submitted



National Science Foundation

Div of Human Resources Dev (HRD)

- ADVANCE
- Alliances for Broadening Participation in STEM
- Centers of Research Excellence in S&T (CREST) and HBCU Research Infrastructure for S&E (RISE)
- HBCU Undergraduate Program (HBCU-UP)
- Research in Disabilities Education (RDE)
- Research on Gender in Science and Engineering (GSE)
- Tribal Colleges and Universities Program (TCUP)



National Science Foundation

ADVANCE: Increasing the Participation and Advancement of Women in Academic S&E Careers

09-504 Solicitation

- DUE DATES
- **Partnerships for Adaptation, Implementation and Dissemination (PAID) Letter of Intent Due Date(s) (required):** January 20, 2009
- **Institutional Transformation (IT) and Institutional Transformation Catalyst (IT-Catalyst) Letter of Intent Due Date(s) (required):** August 04, 2009
- **Partnerships for Adaptation, Implementation and Dissemination (PAID) Full Proposal Deadline(s):** February 24, 2009
- **Institutional Transformation (IT) and Institutional Transformation Catalyst (IT-Catalyst) Full Proposal Deadline(s):** November 12, 2009



National Science Foundation

Alliances for Broadening Participation in STEM

09-515 Solicitation

DUE DATES

- **LSAMP Bridge to the Doctorate:** February 20, 2009
Third Friday in February, Annually Thereafter
- **Louis Stokes Alliances for Minority Participation:** October 09, 2009
Second Friday in October, Annually Thereafter
- **LSAMP Educational Research Projects:** October 09, 2009
Second Friday in October, Annually Thereafter



National Science Foundation

CREST and RISE

09-510 Solicitation

DUE DATES

- **CREST Centers & HBCU-RISE Letters of Intent (required):** December 30, 2008
- **CREST Centers, CREST Partnership Supplements & HBCU-RISE Full proposals:** February 27, 2009
- **SBIR/STTR Diversity Collaborative Supplements (Fall and Spring Requests) Target Date(s):** December 18, 2008 and March 13, 2009



National Science Foundation

HBCU-UP

09-512 Solicitation

DUE DATES

- **Implementation, Education Research, and Targeted Infusion Projects; Planning Grants Letter of Intent Due Date(s) (*optional*):** January 25, 2009
- **ACE Implementation Projects Preliminary Proposal Due Date(s) (*required*):** February 17, 2009
- **Implementation, Education Research, and Targeted Infusion Projects Full Proposal Deadline;** Planning Grants: February 17, 2009
- **ACE Implementation Projects Full Proposal Deadline :** April 17, 2009



National Science Foundation

Research in Disabilities Education (RDE)

09-508 Solicitation

DUE DATES

- **Alliances for Students with Disabilities in STEM Full Proposal Deadline(s):** February 18, 2009, First Wednesday in February, Annually Thereafter
- **Demonstration, Enrichment or Dissemination Full Proposal Deadline(s) :** February 18, 2009, Second Wednesday in February, Annually Thereafter
- **Research Full Proposal Deadline(s) :** February 26, 2009, Third Wednesday in February, Annually Thereafter



National Science Foundation

Research on Gender in S&E (GSE)

09-511 Solicitation

DUE DATES

- **Research Proposals Required Letter of Intent:** February 02, 2009
- **Extension Services Proposals Required Letter of Intent:** February 09, 2009
- **Research Proposals Full Proposal Deadline:** March 30, 2009
- **Extension Services Proposals Full Proposal Deadline :** April 06, 2009
- **Diffusion of Research-Based Innovation Full Proposal Deadline :** April 06, 2009



National Science Foundation

Tribal Colleges and Universities Program (TCUP)

09-509 Solicitation

- **DUE DATES**
- **TCUP Implementation Projects Full Proposal Deadline(s):** December 20, 2009, December 20, Annually Thereafter



National Science Foundation

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

- Advanced Technological Education (ATE)
- Discovery Research K-12 (DR-K12)
- Informal Science Education (ISE)
- Innovative Technology Experiences for Students and Teachers (ITEST)
- Research and Evaluation on Education in Science and Engineering (REESE)



National Science Foundation

Advanced Technological Education

07-530 Solicitation

DUE DATES

- **Preliminary Proposal Due Date(s):** April 26, 2007, April 24, 2008, April 23, 2009
 - Preliminary proposals are optional, but strongly recommended, especially for institutions or departments that have not previously submitted to the ATE program. Please see the full text of this solicitation for further information.
- **Full Proposal Deadline(s):** October 11, 2007, October 16, 2008, October 15, 2009



National Science Foundation

Discovery Research K-12

09-602 Solicitation

DUE DATES

- **Preliminary Proposal Due Date(s) (optional):**
October 05, 2009
- **Full Proposal Deadline(s):** January 07, 2010



National Science Foundation

Informal Science Education

There are five categories of ISE program grants: Research; Pathways; Full-Scale Development; Broad Implementation; and Communicating Research to Public Audiences.

09-553 Solicitation

•DUE DATES

- Required Preliminary Proposal Due Date:** June 25, 2009 and June 24, 2010
- Full Proposal Deadline:** November 19, 2009 and November 18, 2010
- Communicating Research for Public Audience** proposals may be submitted at any time. Please contact a program officer to discuss your ideas ahead of time.



National Science Foundation

Innovative Technology Experiences for Students and Teachers (ITEST)

09-506 Solicitation

DUE DATES

- **ITEST Required Letter of Intent Due Date:** January 12, 2009 and January 19, 2010
- **ITEST Full Proposal Deadline:** February 20, 2009 and February 12, 2010



National Science Foundation

Research and Evaluation on Education in Science and Engineering (REESE)

09-601 Solicitation

DUE DATES

- **REESE Full Proposal Deadline:** November 12, 2009



National Science Foundation

Division of Undergraduate Education (DUE)

- **DUE CORE PROGRAMS:**
- **Advanced Technological Education (ATE)**
- **Course, Curriculum, and Laboratory Improvement (CCLI)**
- **Math and Science Partnership (MSP)**
- **National STEM Education Distributed Learning (NSDL)**
- **Presidential Awards for Excellence in Science, Mathematics and Engineering Mentoring (PAESMEM)**
- **Science, Technology, Engineering, and Mathematics Talent Expansion Program (STEP)**



National Science Foundation

Division of Undergraduate Education (DUE) Cont.

- **STUDENT RESEARCH PROGRAMS:**
- **Interdisciplinary Training for Undergraduates in Biological and Mathematical Sciences**
- **Nanotechnology Undergraduate Education in Engineering (NUE)**
- **Research Coordination Networks in Biological Sciences (RCN)**



National Science Foundation

Division of Undergraduate Education (DUE) Cont.

- **STUDENT SCHOLARSHIP PROGRAMS:**
- **Federal Cyber Service: Scholarship for Service**
- **NSF Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM)**
- **Robert Noyce Teacher Scholarship Program**



National Science Foundation

Advanced Technological Education (ATE)

07-530 Solicitation

DUE DATES

- **Preliminary Proposal Due Date(s):** April 26, 2007, April 24, 2008, April 23, 2009
 - Preliminary proposals are optional, but strongly recommended, especially for institutions or departments that have not previously submitted to the ATE program. Please see the full text of this solicitation for further information.
- **Full Proposal Deadline(s):** October 11, 2007, October 16, 2008, October 15, 2009



National Science Foundation

Course, Curriculum and Laboratory Improvement (CCLI)

09-529 Solicitation

DUE DATE

- **For Type 1 proposals** from submitting organizations located in states or territories beginning with A through M **Full Proposal Deadline:** May 21, 2009
- **For Type 1 proposals** from submitting organizations located in states or territories beginning with N through W **Full Proposal Deadline:** May 22, 2009
- **For Type 2 and 3 proposals and for CCLI Central Resource Project proposals:** January 13, 2010



National Science Foundation

Math and Science Partnership (MSP)

09-507 Solicitation

DUE DATES

- **Institute Partnerships, MSP-Start Partnerships, Phase II Partnerships, RETA Projects Full Proposal Deadline:** February 17, 2009
- **Targeted Partnerships Full Proposal Deadline:** August 20, 2009



National Science Foundation

National STEM Education Distributed Learning (NSDL)

09-531 Solicitation

DUE DATES

- **Letter of Intent Due Date (optional):** March 11, 2009
- **Full Proposal Deadline:** April 15, 2009



National Science Foundation

PAESMEM

04-525 Solicitation

DUE DATES

- **Full Proposal Deadline(s):** March 02, 2004, and First Tuesday in March, Annually Thereafter



National Science Foundation

STEM Talent Expansion Program (STEP)

08-569 Solicitation

DUE DATES

- **Letter of Intent Due Date(s) (optional):** August 19, 2008, August 18, 2009, and August 17, 2010
- **Full Proposal Deadline(s):** September 30, 2008, September 29, 2009, and September 28, 2010



National Science Foundation

Interdisciplinary Training for Undergrads in Biological and Mathematical Sciences (UBM)

08-510 Solicitation

DUE DATES

- **Full Proposal Deadline(s):** February 21, 2008, February 12, 2009, and Second Thursday in February, Annually Thereafter



National Science Foundation

Nanotechnology Undergraduate Education in Engineering (NUE)

09-533 Solicitation

DUE DATES

- **Full Proposal Deadline:** April 29, 2009



National Science Foundation

Research Coordination Networks in Biological Sciences (RCN)

09-554 Solicitation

DUE DATES

- **Full Proposal Target Date(s):** July 23, 2009,
July 05, 2010 and First Monday in July,
Annually Thereafter



National Science Foundation

**Federal Cyber Service: Scholarship for
Service (SFS)**

08-600 Solicitation

DUE DATES

Full Proposal Deadline: December 02, 2008



National Science Foundation

NSF Scholarships in STEM (S-STEM)

09-567 Solicitation

• **DUE DATES**

• **Letter of Intent Due Date(s) (optional):** August 11, 2009 (for the September 14, 2009 competition), July 14, 2010 (for the August 12, 2010, competition), July 13, 2011 (for the August 11, 2011, competition)

• **Full Proposal Deadline(s):** September 14, 2009, August 12, 2010, and August 11, 2011



National Science Foundation

Robert Noyce Teacher Scholarship Program

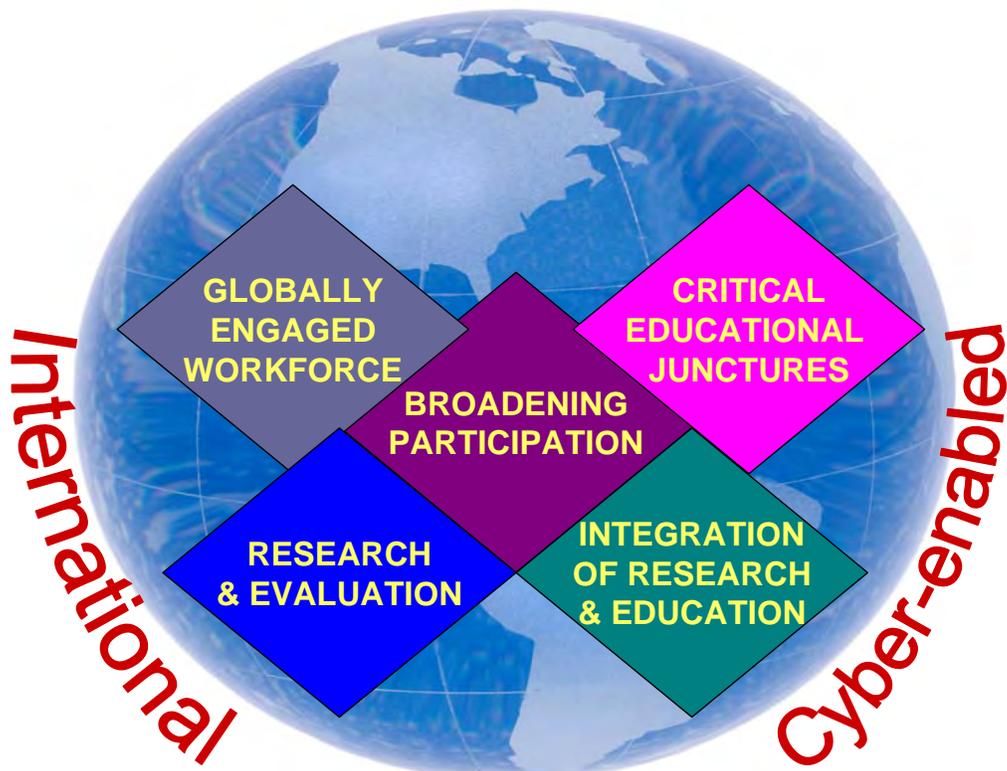
09-513 Solicitation

- **DUE DATES**
- **Noyce Scholarship and NSF Teaching Fellowship/Master Teaching Fellowship Proposals Letter of Intent Due Date(s) (optional):** February 10, 2009
- **Noyce Scholarship and NSF Teaching Fellowship/Master Teaching Fellowship Full Proposal Deadline:** February 24, 2009



National Science Foundation

Innovation Through Institutional Integration (I³)



Goals of I³

- Increase synergy & collaboration among NSF/EHR-funded projects and within/between institutions
- Enhance sustainability
- Promote integration of STEM research and education
- Broaden participation, attend to critical junctures, and/or provide for more globally engaged workforce
- Encourage research on intra- or inter-institutional integration and broader impacts.



National Science Foundation

Innovation through Institutional Integration (I³)

For FY2010, proposals will be solicited in 9 programs:

- CREST, GSE, HBCU-UP, ITEST, LSAMP, MSP, Noyce, RDE, TCUP



National Science Foundation

Innovation through Institutional Integration (I³)

- Eligibility
 - Institutions of Higher Education
- Limits on Proposals
 - One per Institution
 - PI must be Provost or equivalent
 - Continuing Grants up to \$250K per year for 5 years
- FAQs: on NSF web site



National Science Foundation

EHR Contacts

- **Directorate for Education and Human Resources (EHR)** Phone: (703)-292-8600
- **Division of Graduate Education (EHR/DGE)** Phone: (703) 292-8630
- **Division of Human Resource Development (EHR/HRD)** Phone: (703) 292-8640
- **Division of Research on Learning in Formal and Informal Settings (EHR/DRL)** Phone: (703) 292-8620
- **Division of Undergraduate Education (EHR/DUE)** Phone: (703) 292-8670



National Science Foundation