For the purpose of informing interested faculty, please be aware of the following opportunity:

**NSF-10-516: Research on Gender in Science and Engineering (GSE)**

The Directorate for Computer & Information Science & Engineering, National Science Foundation, is soliciting applications for the Research on Gender in Science and Engineering program. The Research on Gender in Science and Engineering program supports efforts to understand and address gender-based differences in science, technology, engineering, and mathematics (STEM) education and workforce participation through research, the diffusion of research-based innovations, and extension services in education that will lead to a larger and more diverse domestic science and engineering workforce. **The program does not currently fund intervention or education projects that directly serve students as their primary purpose, or that focus solely on evaluating a student intervention.**

There are four tracks, each with different requirements and submission due dates, associated with this opportunity: Research Projects, Diffusion of Research-Based Innovation Projects, Extension Services and Innovation through Institutional Integration (I³).

- **Research projects:** investigate gender-based factors that impact learning and choice in STEM education and the workforce; or study societal, formal and informal educational systems’ interaction with individuals that encourage or discourage interest and persistence in study or careers in certain STEM fields along gender lines. **A Letter of Intent, due 2/10/2010 is required for this track. Full proposal Deadline to OR-Sponsored Programs: 3/16/2010. Deadline for Submission to Agency: 3/23/2010.**

- **Diffusion of Research-Based Innovation projects:** provide a mechanism for engaging a wider audience of practitioners (e.g., teachers, faculty, guidance counselors, parents, etc.) with research findings and strategies for changing educational practice relative to gender issues. There are three types of Diffusion awards (described below): Pilot, Scale Up and Dissemination. **Full proposal Deadline to OR-Sponsored Programs: 10/7/2010. Deadline for Submission to Agency: 10/14/2010.**
• **Extension Services**: create a cadre of extension service agents through training and consulting services to inform educators and other practitioners about and enable them to adopt and embed proven gender-inclusive policies and practices in pedagogy, the design of curriculum materials, student support programs, and educator and faculty development. Extension services employ a "train-the-trainer" model and are based on a "comprehensive program of change" that includes research-based and evaluated educational practices. **A Letter of Intent, due 9/06/2010 is required for this track. Full proposal Deadline to OR-Sponsored Programs: 10/7/2010. Deadline for Submission to Agency: 10/14/2010.**

• **Innovation through Institutional Integration (I³)**: The I³ challenges faculty, administrators, and others in institutions to think strategically about the creative integration of NSF-funded awards and is itself an integrative, cross-cutting effort within the Directorate for Education and Human Resources (EHR). The Principal Investigator for an Innovation through Institutional Integration (I³) proposal must be the university provost, or equivalent chief academic officer, unless the proposal is exclusively for I³ STEM educational or related research. The Principal Investigator for an Innovation through Institutional Integration (I³) proposal must be the university provost or equivalent chief academic officer or president, unless the proposal is exclusively for I³ STEM educational or related research. For Fiscal Year 2010, proposals are being solicited in nine EHR programs that advance I³ goals:

  • Centers of Research Excellence in Science and Technology (CREST)
  • Research on Gender in Science and Engineering (GSE)
  • Historically Black Colleges and Universities Undergraduate Program (HBCU-UP)
  • Innovative Technology Experiences for Students and Teachers (ITEST)
  • Alliances for Broadening Participation in STEM: Louis Stokes Alliances for Minority Participation (LSAMP)
  • Math and Science Partnership (MSP)
  • Robert Noyce Teacher Scholarship Program
  • Research in Disabilities Education (RDE)
  • Tribal Colleges and Universities Program (TCUP)

**The I³ is a limited submission opportunity.** As an eligible applicant institution The University of Tennessee (Knoxville, UTSI, and Institute of Agriculture) may only submit one proposal for the Innovation through Institutional Integration (I³). The Office of Research requires that interested faculty submit a notification of interest to limitsub@utk.edu by 12 PM 12/23/09 for your proposal to receive consideration. Only faculty who have e-mailed their intent to propose by 12 PM 12/23/09 will be allowed to
participate if an internal competition is necessary. If an internal competition is necessary all who submitted notifications of interest will be contacted and will be provided with information regarding competition requirements. For more information regarding UT limited submission guidelines, please see [here](#). **IF CHOSEN - Full proposal Deadline to OR-Sponsored Programs: 3/31/2010. Deadline for Submission to Agency: 4/7/2010.**

For detailed information about this opportunity please see the program description ([NSF-10-516](#)). To find more opportunities from this agency, please see [here](#).

It is estimated that $5M will be available for new awards in all GSE tracks and $5.5M for Innovation through Institutional Integration (I³) projects across multiple EHR programs. It is anticipated that 15 – 22 GSE grants will be made per year. Cost sharing is not required. Please see the solicitation for complete award information.

If you have any questions regarding this announcement please contact:

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