For the purpose of informing interested University of Tennessee-Knoxville faculty, please be aware of the following limited submission opportunity. Please note that the other recipients of this announcement could be potential collaborators on this opportunity.

**NSF-10-560: Physics Frontiers Centers (PFC)**

(If you are interested in submitting for this opportunity please submit a Notification of Interest to Dr. Bob Porter (reporter@utk.edu) by 4/26/2010. This submission will enable the Office of Research to assist in areas such as team formation, partnership opportunities, etc.)

The National Science Foundation is seeking applications for the Physics Frontiers Centers (PFC) program. The Physics Frontiers Centers (PFC) program supports university-based centers and institutes where the collective efforts of a larger group of individuals can enable transformational advances in the most promising research areas. The program is designed to foster major breakthroughs at the intellectual frontiers of physics by providing needed resources such as combinations of talents, skills, disciplines, and/or specialized infrastructure, not usually available to individual investigators or small groups, in an environment in which the collective efforts of the larger group can be shown to be seminal to promoting significant progress in the science and the education of students. Activities supported through the program are in all sub-fields of physics within the purview of the Division of Physics: atomic, molecular, optical, plasma, elementary particle, nuclear, astro-, gravitational, and biological physics. Interdisciplinary projects at the interface between these physics areas and other disciplines and physics sub-fields, e.g. biology, quantum information science, mathematical physics, condensed matter physics, and emerging areas of physics are also included. The successful PFC activity will demonstrate: (1) the potential for a profound advance in physics; (2) creative, substantive activities aimed at enhancing education, diversity, and public outreach; (3) potential for broader impacts, e.g., impacts on other field(s) and benefits to society; (4) a synergy or value-added rationale that justifies a center- or institute-like approach.
A Preliminary Proposal is required. Preliminary Proposals are due to the agency by August 11th, 2010. A full proposal may be submitted by invitation only, based on the evaluation of the preliminary proposal.

For detailed information about this opportunity please see the program description (NSF-10-560). To find more opportunities from this agency, please see here.

It is anticipated that $12 - 15M will be available to support 5 - 7 awards. Cost sharing is not required. Please see the solicitation for complete award information.

Please note that this is a limited submission opportunity. As an eligible applicant institution The University of Tennessee (Knoxville, UTSI, and Institute of Agriculture) may submit only two (2) proposals in response to this solicitation. The Office of Research requires that interested faculty submit a notification of interest to limitsub@utk.edu by 12 PM 04/26/10 for your proposal to receive consideration. In your email include:

- The name and contact information for the principal investigator
- Names of all internal co-investigators
- A descriptive name of the research project proposed
- A brief (one paragraph) description of the research project

Only faculty who have e-mailed their intent to propose by 12 PM 04/26/10 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.

Deadline for Notification of Interest to OR: 04/26/2010 12PM

The following deadlines apply only for the proposal selected to go forward:

Deadline for Preliminary Proposals to OR-Sponsored Programs: 8/4/2010

(Please see the solicitation for complete application & submission information.)
Please contact Sponsored Programs (4-5066) with questions regarding proposal submission requirements for all categories.

**Deadline for Preliminary Proposal Submission to Agency:** 8/11/2010

If you have any questions regarding this announcement please contact:

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UT Knoxville Office of Research  
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