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

**NSF-10-559: Surpassing Evolution – Transformative Approaches to Enhance the Efficiency of Photosynthesis**

The National Science Foundation and the Biotechnology and Biological Sciences Research Council (BBSRC) in the UK are seeking innovative and transformative research proposals for the enhancement of photosynthetic efficiency. The proposals funded through this activity will include ideas that could lead to a sea-change in our knowledge, rather than incremental advances. The proposals will be generated in an Ideas Lab by multidisciplinary teams, which in addition to scientists from a traditional biology background may include researchers with expertise in physics, engineering, mathematical modeling, computer science, chemistry or any other discipline which may help to shed light on the topic. Members of the photosynthesis research community and specialists in other areas including but not limited to bioenergetics, metabolic engineering, synthetic biology, modeling, and systems biology are strongly encouraged to participate.

An Ideas Lab workshop to be held September 13-17, 2010 at the Asilomar Conference Center, CA. US and UK researchers can submit preliminary proposals for participating in the Ideas Lab in which a set of multidisciplinary ideas will be developed. Submission of preliminary proposals is required for participation in the Ideas Lab. These will be submitted as full proposals. The deadline to submit preliminary proposals for Ideas Lab consideration is June 15th, 2010.

Alternatively, US researchers who cannot or do not desire to participate in the Ideas Lab can submit full proposals directly in response to this solicitation. Collaboration among researchers from USA and UK is strongly encouraged in the full proposals. International research collaborations between the researchers from USA and from UK are strongly encouraged in the full proposals.
For detailed information about this opportunity please see the program description (NSF-10-559). To find more opportunities from this agency, please see here.

It is anticipated that $6M ($4M for projects through the Ideas Lab, $2M for proposals no developed through the Ideas Lab) will be available to support 5 – 10 awards. Cost sharing is not required. Please see the solicitation for complete award information.

Deadline for Preliminary Proposals to OR-Sponsored Programs: 06/08/2010

Deadline for Preliminary Proposal Submission to Agency: 06/15/2010

Deadline for Full Proposals to OR-Sponsored Programs: 10/25/2010

(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 Proposal Submission to Agency: 11/01/2010

If you have any questions regarding this announcement please contact:

Dr. James Lloyd
Professor and Coordinator of Electronic Research Administration
UT Knoxville Office of Research
Phone: (865) 974-0390
E-mail: illoyd@utk.edu