National Science Foundation IGERT Fellowship
I-STAR BioEnergy Doctoral Program @ Kansas State University

Three (3) NSF IGERT Fellowships are available in the Department of Biological and Agricultural Engineering at Kansas State University beginning with the Fall 2011 semester.

K-State I-STAR BioEnergy is an NSF Integrative Graduate Education and Research Training (IGERT) Program open to incoming and first year Ph.D. students in the fields of Agricultural Economics, Agronomy, Biological and Agricultural Engineering, Chemical Engineering, Grain Science, and Sociology. The vision of the I-STAR BioEnergy Program is to Integrate the Socio-economic, Technical, and Agricultural aspects of Renewable & Sustainable Biorefining.

I-STAR trainees are organized within interdisciplinary core teams working toward solutions of bioenergy-related problems that integrate technological, agroenvironmental, and socioeconomical issues. This mode of multidisciplinary interaction is central to the IGERT program. Our IGERT team has created a highly integrated network of researchers focusing on the complex issues of sustainable bioenergy production.

Every student in the program will receive a $30,000 annual stipend plus a $10,500 annual cost-of-education allowance, which covers tuition, fees, and health insurance, as well as international travel and travel to professional conferences.

Organized IGERT opportunities include: Mentoring of undergraduate research students; International travel and study; Presentations at local, national, and international conferences; Field experiences to learn about the aspects of biorefining which may be unknown to you; Specialized topical courses; and more …

To qualify, the applicant must:
- Be a U.S. citizen or permanent resident
- Pursuing a Ph.D. degree in Biological and Agricultural Engineering at KSU
- Have research interests in bioenergy

For more information, please visit: http://igert.ksu.edu/ or contact:
Wenqiao Yuan (wyuan@ksu.edu). Algae and microbial-based biofuels and bioproducts. Biomass thermochemical conversion (gasification and pyrolysis).
Donghai Wang (dwang@ksu.edu). Bioconversion of agricultural materials and byproducts to biofuels and biobased products. Bioprocessing.
Kyle Douglas-Mankin (krdm@ksu.edu). Impacts of bioenergy production on watershed systems and ecosystem services. Watershed modeling.