

The I-STAR BioEnergy NSF-IGERT Program is open to incoming and first year doctoral students at Kansas State University in the following programs:

- ❖ Agricultural Economics
- ❖ Agronomy
- ❖ Biological and Agricultural Engineering
- ❖ Chemical Engineering
- ❖ Grain Science and Industry
- ❖ Sociology

Funded NSF-IGERT Traineeships are available. See www.igert.ksu.edu for application information and deadlines.



NSF-IGERT Program

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NSF-IGERT Doctoral Program

Kansas State University

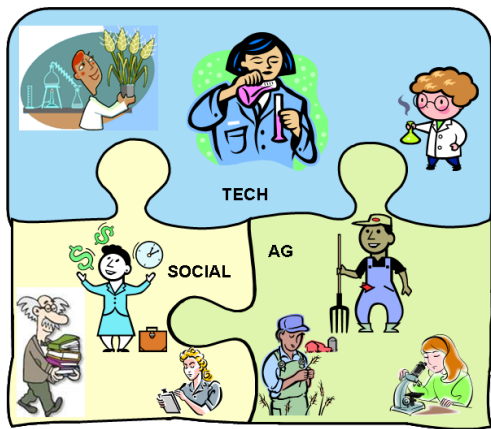
Integrating the
Socioeconomic,
Technical, and
Agricultural Aspects
of Renewable
BioEnergy
(I-STAR)

www.igert.ksu.edu





Success in sustainable biorefining requires that researchers have an understanding of the role of agriculture, technology, and social science in the integrated process.



In the I-STAR program, students and faculty from across the supply chain work in core research teams to address key questions relating to the implementation of new technology. A core team question for example might relate to the development and implementation of mobile processing units for the energy densification of biomass.

Expected Project Outcomes

Development of agricultural practices and conversion technologies that (1) significantly reduce the environmental impacts of the production of biofuels and chemicals; (2) achieve sustainable and efficient conversion of biomass; and (3) maintain soil organic matter content.

Preparation of students to become research and educational leaders who can meet the evolving needs of the bio-based energy industry through a deep appreciation of the interrelated impact of economic, technological, agrarian, and societal issues.

Establishment of a vibrant community of researchers focused on systems-oriented solutions to converting biomass into energy and products.

Integrative Graduate Education and Research Training – IGERT



National Science Foundation

Program Benefits

- Support of \$30,000 per year plus \$10,500 to cover tuition, fees, health insurances and other costs of education.
- Financial support for international travel (one or two organized trips).
- Organized support for seminars, working with undergraduate research students, and conferences.

