



**Post Doctoral Research Associate  
Food System Traceability  
Iowa Grain Quality Initiative, Iowa State University**

Food product tracking and labeling are becoming important elements of food security. Certain markets also have special needs for identification of genetically engineered products. Biotechnology is creating adaptations of corn and soybeans that contain medicinal or industrial compounds that have very high values to their intended use but that are not allowed in normal food channels. These new issues are driving historically undifferentiated commodity markets toward product isolation, segregation and traceability.

We have an immediate post-doctoral opening to manage a, multidepartmental study on costs and operating constraints for source verification, segregation and isolation of Midwest US grains through to end user markets. This project is the principal effort of the Iowa Grain Quality Initiative ([www.iowagrains.org](http://www.iowagrains.org)) in 2005 and 2006. It will require a combination of cost analysis, detailed evaluation of farm to user grain operations, and industrial surveys. The research associate will work with 4-6 faculty, IGQI staff, and 1-2 graduate students to produce the project report and other supporting materials. This project is aligned with a similar effort (TRACE) being started in the European Union. Interaction with EU scientists is expected.

**Qualifications:** Ph.D. required in Agricultural Engineering, Economics, Agronomy, Food Science or a similar multidisciplinary area that demonstrates understanding of complete food/grain production and handling systems, with emphasis on US and European Union markets.

**Conditions:** This is a full-time, 2-year position with an annual salary commensurate with training and experience. Health insurance, paid vacation, and sick leave are included. A formalized program, including classroom teaching and graduate student advising experiences, will be established to support the training component of post doc positions. Agricultural and Biosystems Engineering ([www.abe.iastate.edu](http://www.abe.iastate.edu)) is the home department for the traceability project. A one-year extension is possible.

**Application closing date:** June 30, 2005, or until filled  
**Employment starting date:** Fall Semester 2005 or Spring Semester 2006

Our students and staff have significant interaction with industry and university extension. We have an active, informal working environment. Support will be provided to attend professional and/or industry conferences. Journal publications and other forms of scientific communications are expected. Training and advising of graduate/undergraduate students will be expected.

Ames ([www.ames.ia.us](http://www.ames.ia.us)) is the heart of the Midwest. ISU is one of 14 colleges and universities included in the book *Involving Colleges* as having an exceptional extracurricular environment and has a large international community. Iowa State's central campus was one of the only three university campuses to make the American Association of Landscape Architect's 1999 centennial listing of "Medallion Sites." Ames, while providing a small-town environment, is only 6 hours from Chicago and 3.5 hours from both Minneapolis and Kansas City.

**Please send resume and letter of interest to:**  
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\*Iowa State University does not discriminate on the basis of race, color, age, religion, national origin, sexual orientation, sex, marital status, disability, or status as a U.S. Vietnam Era Veteran.

