

# THT Bioinformatics Specialist

## Postdoctoral Position

**Location:** Ames, IA - Iowa State University

**Department:** Virtual Reality Applications Center, Plant Pathology

**Proposed Start Date:** As soon as possible

**Appointment Conditions:** Term, 12 Months, Full Time, Appointment Ending 8/31/2007

**Special Conditions:** Renewal of appointment for up to four years contingent upon performance.

**Description:** The *Hordeum* Toolbox (THT) is the data portal of the USDA-CSREES funded Barley Coordinated Agricultural Project (CAP) ([www.barleycap.org](http://www.barleycap.org)). The Barley CAP is a community effort of 30 scientists from 19 institutions with expertise ranging from genetics/genomics, breeding, pathology, databases, computer science, food science, malt quality, and statistics. The overall theme of the barley CAP is to integrate and utilize state-of-the-art genomic tools and approaches in plant breeding programs, thereby facilitating the development of superior barley cultivars and access to agronomic and economically important genes. The THT bioinformatics specialist will work with a small local team of database and web programmers and international collaborators to develop a database for storing breeding, phenotype, and SNP marker data and building cross-references to other information (e.g., microarray expression data, sequence assemblies); development and maintenance of online tools for querying, analyzing, and cross-referencing data for a range of user groups such as plant breeders and molecular biologists; communication with remote investigator groups to ensure that all relevant biological information from experiments will be included in the database schema.

**Required Qualifications:** M.S. or Ph.D. in bioinformatics or computer science; experience in database development; good written and verbal communication skills.

**Preferred Qualifications:** Experience with MySQL, PHP, and at least one language similar to Python, Java, or C.

**Salary/Wage:** \$40,000-48,000, commensurate with experience

**Application Deadline:** To guarantee consideration, application must be received by August 31, 2006.

**Application Instructions:** Send letter of application, resume, curriculum vitae, and names/phone numbers of references to Julie Dickerson, Associate Professor, Virtual Reality Applications Center, 2274 Howe Hall, Room 1620, Ames, IA 50011-2274, or electronically in pdf format to [julied@iastate.edu](mailto:julied@iastate.edu), please include BarleyCAP in the subject line.

Immigration Reform and Control Act verification will be a condition of employment. If hired, you must be able to present acceptable documents that provide proof of your identity and employment eligibility to work in the United States as required by the Immigration Reform and Control Act of 1986.

Iowa State University is an [equal opportunity/affirmative action employer](#).