The Department of Statistics at North Carolina State University seeks to hire two Postdoctoral Research Scholars.

The first position is to support the missions of a newly funded project from the North Carolina Biotechnology Center and Syngenta. The primary purpose of this position is to conduct research in statistical genetics, particularly in research problems related to gene mapping and marker-assisted selection. The research objectives include the development and evaluation of new statistical methods and algorithms to detect the positions, effects and epistasis of quantitative trait loci (QTL) in plant breeding populations, and evaluation of breeding strategy that utilizes QTL epistasis. The main duties include conducting simulation experiments, data analysis, and statistical evaluation and communicating with project collaborators.

To apply, please visit http://jobs.ncsu.edu/postings/49280.

The second position is to conduct research in statistical and computational methodology development for quantitative trait gene mapping in polyploidy organisms for a project supported by Bill & Melina Gates Foundation. The research project develops genomic tools for sweet potato breeding. Sweet potato is a polyploidy organism. One of the project objectives is to develop statistical methods and computer programs for quantitative trait locus mapping and genomic selection in sweet potato breeding populations. The primary duty of this position is to assist in statistical and computational methodology development for haploid type inference from dense DNA sequencing data, for QTL mapping and for genomic selection in full-sib families of polyploidy populations. The other duties include: (1) assist the genomics data analysis and interpretation for the data generated from the project; (2) provide statistical consultancy and technical assistance to project personnel in genomic data analysis; and (3) maintain regular communication with other project personnel.

To apply, please visit http://jobs.ncsu.edu/postings/43086.

The Department provides a dynamic environment for teaching, research and collaborations across disciplines. Inclusiveness and diversity are academic imperatives and thus are university goals. We are particularly interested in candidates who have experience working with students from diverse backgrounds and a demonstrated commitment to improving access to higher education for students from underrepresented groups. The Department's location in the Research Triangle provides rich opportunities for interactions with industry; other universities, including Duke University and the University of North Carolina at Chapel Hill; and government agencies. Faculty enjoy collaborations with medical researchers at Duke, environmental scientists at the EPA research facility, pharmaceutical researchers at Glaxo-SmithKline, and software developers at SAS Institute, among many others. The Department is also a founding cooperator of the National Institute of Statistical Sciences (NISS) and the NSF-funded Statistical and Applied Mathematical Sciences Institute (SAMSI), both located nearby in Research Triangle Park.

All applicants must have a Ph.D. in Statistics, Biostatistics or relevant field by the time of employment. Processing of applications will begin March 1, 2015, and continue until the position is filled.

NCSU is an equal opportunity and affirmative action employer. Women and members of other underrepresented groups are encouraged to apply. In addition, NC State University welcomes all persons without regard to sexual orientation or genetic information. We welcome the opportunity to work with candidates to identify suitable employment opportunities for spouses or partners.