Research Geneticist Position Available

(GS-12/13/14, salary range $70,192 to $128,223): The USDA-ARS Cereal Crops Research Unit located at the Red River Valley Agricultural Research Center in Fargo, ND is seeking a full-time, permanent Research Geneticist to conduct research on the genetics, molecular genetics, and genomics of barley. The goal of the research is to provide basic knowledge and improved germplasm that will contribute significantly to barley improvement. Specific lines of research may include the following: Improve our understanding of the basis of resistance to economically significant diseases of barley through research approaches involving bioinformatics, functional genomics, or gene expression analysis, ultimately leading to the development of disease resistant germplasm and cultivars; identify novel genes conferring resistance to economically significant foliar and head diseases of barley, determine their chromosomal locations, and develop molecular markers to facilitate introgression into adapted germplasm; conduct genomic analysis of useful agronomic traits; clone important agronomic genes from barley using map-based approaches; identify and characterize useful genes for agronomic traits from wild relatives of barley. Opportunity exists to mentor graduate students through an adjunct appointment with North Dakota State University. The unit has excellent research facilities on the NDSU campus, and is comprised of about fifty personnel (nine scientists) working to improve quality and disease resistance of small grains through research on genetics, genomics, pathology, and end-use quality. Candidates must be U.S. citizens. To review specific position requirements or to apply, go to the official vacancy announcement ARS-D15W-0548 available at www.usajobs.gov or click on the following direct link: https://www.usajobs.gov/GetJob/ViewDetails/411490400 For specific questions regarding this vacancy, contact Michael C. Edwards, Research Leader, at 701-239-1341 or michael.edwards@ars.usda.gov. Position closing date: August 31, 2015.