

Research Geneticist (Postdoctoral Research Associate)

GS-11/12, \$68,036–\$88,450/year, 2 years full-time but may be extended up to 4 years
(Open until position is filled)

This position is located in the United States Department of Agriculture (USDA), Agricultural Research Service (ARS), Beltsville Agricultural Research Center, Animal Genomics and Improvement Laboratory, in Beltsville, MD.

Research will focus on:

- Developing improved sequence data processing programs to identify causal mutations to replace the linked markers currently used in genomic prediction.
- Analyzing sequence genotypes from a global exchange of whole genome data (1000 Bull Genomes Project) to estimate effects of DNA variants on more than 30 dairy cattle traits.
- Cooperating in international cattle sequencing research.

Major duties include but are not limited to design and testing of new tools to include information from DNA sequence data more efficiently in genomic predictions of dairy cattle traits.

A Ph.D. degree in animal breeding, genetics, molecular biology, or a closely related field is required and must have been obtained no more than 4 years prior to appointment. Professional knowledge of animal genetics and experience in computer programming (preferably with Unix and parallel processing in Fortran) are expected. Additional knowledge of sequence data structure and experience with large-scale data processing are desirable.

Benefits include annual and sick leave, within-grade increases, health and life insurance, and retirement.

This position is open only to U.S. citizens, U.S. nationals, or lawful permanent residents.

To apply, send your resume to Dr. Paul VanRaden, paul.vanraden@ars.usda.gov, 301-504-9438/8334.