

## Research Computational Biologist (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, Beltsville Agricultural Research Center, Animal Genomics and Improvement Laboratory, in Beltsville, MD.

Research will focus on:

- Collecting and analyzing BRDC data, estimating heritability, and developing traditional genetic and genomic evaluations for disease resistance.
- Using predictions of disease incidence from an independent project funded by USDA's National Institute of Food and Agriculture to evaluate usefulness of genetic evaluations for Holsteins.

Major duties include but are not limited to:

- Developing predicted transmitting abilities for resistance to bovine respiratory disease complex (BRDC) from various data sources and using results to better understand genetic architecture of BRDC host resistance and susceptibility.
- Developing tools for automation of data processing required for use of single-nucleotide polymorphisms in livestock selection programs.
- Identifying signatures of selection using next generation sequencing reads and genotypic data in livestock.

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. Knowledge and understanding of genome biology or population genetics and standard bioinformatics methods, tools, and databases and skill in computer programming 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. Curt Van Tassell, [curt.vantassell@ars.usda.gov](mailto:curt.vantassell@ars.usda.gov), 301-504-6501.