

## Research Computational Biologist (Postdoctoral Research Associate)

**Salary:** GS-11/12, \$66,214-79,363/year, 2 years full-time (open until position is filled)

**Location:** This position is located in the United States Department of Agriculture (USDA), Agricultural Research Service, Pollinating Insects Research Unit, in Logan, UT. The unit is located on the Utah State University campus.

**Description of Duties:** The USDA-ARS “Beenome100” Initiative will sequence 100+ reference quality genomes of diverse bee species and we seek an outstanding postdoctoral researcher to assist with this project and to co-lead efforts to analyze and publish new and existing data. This position is an ARS administrator-funded postdoc within the “Big Data/Artificial Intelligence” category and the incumbent will be required to contribute to USDA’s SCINet computing initiative. Major duties of the position include but are not limited to:

- assembly, annotation, and analysis of reference-quality genomes of diverse bee species
- analysis of genomic and population genomic data for bees of conservation concern
- development of comparative genomics projects related to bee health or life history differences
- development and integration of novel bioinformatics pipelines, including methods that utilize artificial intelligence, for genome annotation and analysis on a high-performance computing cluster
- writing manuscripts for peer-reviewed journals and presenting results at professional meetings

**Qualifications:** A Ph.D. degree in genomics, bioinformatics, computational biology, or a closely related field is required. Knowledge and experience working with bioinformatics, genome biology, genome assembly and annotation, next-generation sequencing, population genomics, computer programming (Linux, scripting, python, R), and artificial intelligence are desirable. Knowledge of insect or arthropod biology, particularly bees, is desirable but not required.

The position is fully benefited and includes annual and sick leave, health and life insurance, and retirement.

This position is open to U.S. citizens or permanent residents seeking citizenship only.

About the Pollinating Insects Research Unit: <https://www.ars.usda.gov/pacific-west-area/logan-ut/pollinating-insect-biology-management-systematics-research/>

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**TO APPLY:** Please email your CV and a short statement of interest to Dr. Michael Branstetter (he/him/his) at [michael.branstetter@usda.gov](mailto:michael.branstetter@usda.gov). For general inquiries, please email and/or call (435-797-2588)