

Seeking post-doctoral research associate – bioinformatics/computational biology of crop pest insects

United States Department of Agriculture, Agricultural Research Service (USDA-ARS), Corn Insects & Crop Genetics Research Unit, Ames, IA 50011

Term: 2 years

Start date: Immediate hiring with anticipated start May 2022.

Applicant requirements:

1. Ph.D. in biological field with focus on genetics and genomics, bioinformatics/computational biology, or related fields.
2. Having received Ph.D. within the past 3 years.
3. United States citizenship

Description: Seeking a motivated post-doctoral research associate to work within a multidisciplinary team to develop computational pipelines to generate high-quality genome assemblies for crop pest insects from long read sequence data, including quality control, contig assembly, scaffolding, and annotation. The position will also use current and newly generated assemblies for comparative genomic applications to detect regions varying between related species and/or among phenotypic variants within a species using different data types. Additionally, transcriptome analyses will be performed to predict differential expression within and between treatment conditions or phenotypic variants. The incumbent is expected to work in a (virtual) team environment, have experience in Linux/Unix, be able to analyze data via remote HPCs, provide status reports, and create reproducible pipelines using existing and created tools and applications. Engage in professional development by disseminating information to collaborating post-doctoral and scientist peers within USDA through formal and informal meetings and webinars.

Please send an up-to-date CV and at least 3 professional contacts for a reference to brad.coates@usda.gov with subject "Application for post-doctoral research associate"

[Brad S. Coates](#), Ph.D.

Research Geneticist

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