

Postdoctoral research associate in insect genomics

One focus at the USDA-ARS Corn Insects & Crop Genetics Research Unit, Ames, Iowa is to use genetic, genomic, and computational methods to investigate the mechanisms by which crop pests evolved and adapt to the agroecosystem.

We are seeing a post-doctoral associate to investigate the adaptation of an insect pest (the corn rootworm) to pesticidal proteins expressed by transgenic maize. This project will use whole genome sequencing and assembly, genome and transcriptome sequencing, comparative genomics, quantitative trait locus mapping, and population genetic approaches.

The desired candidate will have a strong background in biology, ecology, evolution, genetics, and/or genomics. Prior experience in bioinformatic data analyses, quantitative genetics, population genetics, computational biology, and the Unix command-line interface preferred. Motivation to learn on the job via various learning and training opportunities is essential. Candidates should also have a strong written and oral communication skills, experience working independently and as part of collaborative groups, as well as good interpersonal skills.

This is a federal position and open to United States citizens and permanent residents, with relocation and start on or before May 31, 2022.

If interested, please submit a cover letter, CV, and the contact information for references by email to

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