

POSITION ANNOUNCEMENT



Title: Post-Doctoral Scholar

Location: College Park, MD

Department: CMNS, Entomology

Supervisor: Principal Investigator (PI) Megan Fritz

Salary: \$52,000 - \$56,000 plus University benefits

(<http://uhr.umd.edu/benefits/>)

Category Type: Non-tenured, continuing contract (12 mo.)

Duration: 24 months, contingent upon performance

Project. Structural variants and their role in rapid adaptation to human-imposed selection.

Position Description. The Fritz Lab is seeking a project leader who will develop and execute research to determine the evolutionary history of structural variants involved in rapid insect adaptation. Experiments involve quantifying nucleotide sequence and structural changes across the genome over time, as well as characterization of haplotypic variation in adaptive genomic regions from long-read data. The post-doctoral scholar will be responsible for collection and analysis of data, reporting, communication of results at conferences and through peer-reviewed manuscripts, as well as mentorship of graduate and undergraduate researchers.

Minimum Requirements. Ph.D. in Entomology, Biology, Genetics, or related fields. Candidates must have significant experience using standard molecular techniques (e.g. DNA isolation, PCR, gel electrophoresis) and conducting population and evolutionary genomic analyses.

Preferred Qualifications. Analysis of large genomic datasets (Illumina short reads, Oxford nanopore long reads), familiarity with Linux command line, and use of R and/or Python.

Closing Date. For best consideration apply by **September 15, 2024**. Applications will be accepted until a suitable candidate is selected.

Applications. Interested applicants should send a cover letter, CV/resume, and a list of 3 references to Megan Fritz (mfritz13@umd.edu).

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