

## Postdoctoral Fellow in Whitefly Genetics

The Departments of Entomology and Botany & Plant Sciences at the University of California, Riverside invite applicants for a short-term (8 month) postdoctoral fellow to conduct research in the genetic manipulation of the whitefly (*Bemisia tabaci*) under the co-supervision of Dr. Peter Atkinson and Dr. Linda Walling. The purpose of this position is to generate, using contemporary gene manipulation technologies, new approaches for the genetic control of whiteflies, which are a significant pests of US and global agriculture. The selected candidate will be generating CRISPR-mediated knock-out and knock-in mutants in target genes, assaying the resulting phenotypes, and identifying and assaying regulatory sequences for gene expression in whitefly. The technologies are established and the selected candidate will apply these genetic techniques to two biological strategies for whitefly control and whitefly-mediated virus transmission. The selected candidate will assist with the preparation of manuscripts regarding their research and will present the outcomes of their research at meetings of the relevant professional societies and/or professional conferences or workshops.

**Basic qualifications for this position include:** Ph.D. in entomology, molecular biology, biochemistry, plant biology, genetics, or other related fields and have demonstrated expertise and experience in the molecular biology. Preferred qualifications are: experience in Illumina library construction, bioinformatics analysis of SNPs and demonstrated experience and expertise in the use of CRISPR technologies. While experience in the microinjection of insect embryos and in rearing and genetic crossing of insects is desirable, it is not essential.

To apply: submit a Curriculum Vitae, Statement of prior research experiences and qualifications for this position, recent publications, and names of three references by email to [peter.atkinson@ucr.edu](mailto:peter.atkinson@ucr.edu) or [lwalling@ucr.edu](mailto:lwalling@ucr.edu). Review of applications will begin immediately and proceed until position is filled.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.