

Assistant Project Scientist in Citrus Genomics
UCR Citrus Breeding Program
Department of Botany and Plant Sciences
University of California, Riverside (UCR)

The UCR citrus breeding program is recruiting an Assistant Project Scientist to continue research on citrus genomics with a focus on inference of chromosome-length haplotypes from genotyping of single pollen grains.

Description. The successful applicant will lead a project on isolation of single pollen grains, whole genome amplification of DNA from single grains, and analysis of this DNA using high-density SNP arrays or sequencing. Inferred haplotypes will be the basis for genetic association studies of citrus germplasm with a focus on analysis of tolerance or resistance to Huanglongbing, but including other essential traits. This position includes field, laboratory, and computational analysis. The appointee will draft publications describing results in a timely manner.

Minimum qualifications

- A Ph.D. in plant genetics, plant genomics, plant breeding or related areas
- At least 2 years of postdoctoral experience in a relevant discipline
- A record including substantial publications in plant genomics, germplasm analysis, and plant improvement
- Experience in microscopy
- Demonstrated ability to perform precise manipulation of tissues viewed through a microscope
- Experience in DNA marker analysis including PCR and SNP-based genotyping
- Ability to work independently and in a collaborative environment.

Preferred qualifications

- Knowledge of citrus genetics and breeding
- Demonstrated knowledge and experience in bioinformatics analysis

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.

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.

Advancement through the Project Scientist ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

To Apply:

Application materials for this position should be submitted through <https://aprecruit.ucr.edu/apply/JPF01346>. Please provide a full curriculum vitae, cover letter, Statement of Research, Statement of Contributions to Diversity, and contact information for at least three references. Review of applications will begin December 2, 2020. For full consideration, applicants should submit their complete applications prior to this date. For more information about this position, please contact Dr. Mikeal Roose, Chair of the Search Committee, Department of Botany & Plant Sciences, at roose@ucr.edu. For questions on application procedures and requirements, please contact Ms. Jackelyn Quinonez, Academic Personnel, at jackelyn.quinonez@ucr.edu.