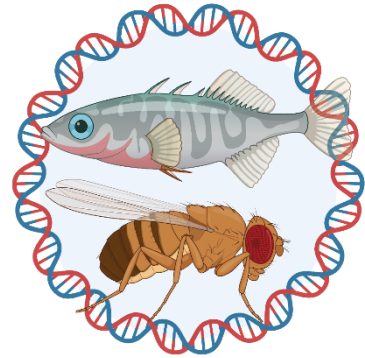


## Postdoctoral Scholar (Evolutionary Genetics) Samuk Lab, Dept. of EEOB, UC Riverside

The Samuk Lab in the Department of Evolution, Ecology, and Organismal Biology at UC Riverside is seeking Postdoctoral Scholars to work on a variety of projects in the lab. We are a collaborative evolutionary genetics laboratory focused on understanding the origin and diversity of life using modern genomics, with a special focus on the role of recombination in the evolutionary process. See <http://www.samuklab.com> for more about the lab.



We are particularly searching for candidates with a record of experience in one or more of the following: next-generation sequencing and molecular genetics techniques, *Drosophila* transgenic technologies (esp. CRISPR/Cas9), bioinformatics, and theoretical/computer simulation approaches to studying evolution. For purely computational projects, remote positions are also available (US citizens and permanent residents only).

### Primary ongoing research projects

- Field and experimental studies of the origin and evolution of chromosomal inversions in *Drosophila* spp. using CRISPR/Cas9 technology
- Field and genomic studies of the evolution of recombination rate in natural populations of threespine sticklebacks.
- Experimental evolution of recombination modifiers in *Drosophila* spp.
- Computer simulations and theoretical studies aimed at understanding the evolution of recombination rate modifiers
- Theoretical and experimental studies of the utility of recombination modifiers in agricultural breeding

I would also be happy to discuss other projects candidates may wish to bring to the lab, related to either adaptation, speciation, or evolutionary genomics more broadly.

### General responsibilities for Postdoctoral Scholars

- Leading research, performing laboratory protocols, fieldwork, animal care, and analyses
- Writing and publishing research papers
- Presenting research at conferences and seminars
- Attending and participating in weekly lab meetings
- Assisting in mentoring graduate and undergraduate students

During your time in the lab you will have the opportunity to:

- Gain experience working at the intersection of genetics and evolution
- Hone your evolutionary and molecular genetics skills
- Learn new bioinformatics and computational skills
- Get experience working with the *Drosophila* and/or stickleback model systems
- Develop your grant writing and mentorship skills
- Explore career options (lab is friendly to non-academic trajectories!).

### Qualifications

- Required: A PhD in evolutionary biology, zoology/botany, molecular/quantitative genetics, bioinformatics, or a related field
- Required: A strong record of experience with molecular genetics/genomics and/or bioinformatics (depending on the project of interest)
- Strongly preferred (for CRISPR/Cas9 projects): Experience with the design and execution of insect transgenesis techniques.
- Preferred: Experience with genetic crosses and/or classical genetic mapping techniques

The University of California is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. 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.

### Start date

Applications open August 15<sup>th</sup> 2021, until filled. Official start date can be as soon as Sept 15<sup>st</sup> 2021. The initial position would run for one year, with the opportunity to renew.

### Compensation

Candidates will be offered a competitive salary commensurate with their experience. See [https://graduate.ucr.edu/postdoctoral-studies#salary\\_scale](https://graduate.ucr.edu/postdoctoral-studies#salary_scale) for specifics.

### Benefits

Medical, dental, vision, life, AD&D, short-term disability, and voluntary long-term disability (see [https://graduate.ucr.edu/postdoctoral-studies#health\\_insurance](https://graduate.ucr.edu/postdoctoral-studies#health_insurance)). Aid with moving/relocation expenses is also available for non-remote positions.

## How to apply

- Send an updated resume/CV, two representative publications (PDFs), a cover letter, and contact information for three references to [ksamuk@ucr.edu](mailto:ksamuk@ucr.edu)
- In your letter, briefly outline why you are interested in joining the lab, the specifics of the project you are interested in, your academic background including relevant technical skills, and the skills/experience you are interested in gaining during your postdoc.