



Department of Molecular, Cell, and Systems Biology
College of Natural and Agricultural Sciences
Riverside, CA 92521

Postdoctoral Position in Neurophysiology

University of California, Riverside

The Santhakumar Lab (<https://santhakumarlab.ucr.edu/>) in the Department of Molecular, Cell, and Systems Biology at the University of California, Riverside is seeking highly motivated postdoctoral scholars with expertise in neurophysiology to fill 1-2 postdoc positions. The candidate(s) will participate in NIH-funded studies examining microcircuit and network physiology underlying hippocampal information processing and its alterations in epilepsy. Our group provides a vibrant research environment with multidisciplinary approaches including ex vivo patch-clamp physiology, opto/chemogenetics, multi-channel electrophysiology in vivo as well as large-scale network simulations (Yu et al., Cerebral Cortex 2016; Korgaonkar et al., Annals of Neurology 2020; Afrasiabi et al., J. Neurosci 2022).

Successful candidates will have a Ph.D. or equivalent in neuroscience or related disciplines with experience patch clamp and/or in vivo electrophysiology and a strong background in neurophysiology from channels and synapses to circuits. Experience with in vivo imaging, multi-modal data analysis and computational modeling would be an asset. Our lab emphasizes trainee professional development and the stable funding environment provides opportunities for establishing new techniques as needed to advance research. Majority of our trainees have been successful in securing competitive external fellowships. We are especially interested in candidates who are motivated to develop their careers as independent investigators.

UCR offers an excellent academic environment with a growing neuroscience research profile and opportunities for collaboration with a multidisciplinary group of faculty. Riverside offers an affordable lifestyle with proximity to large cities and all-year-round sunny Southern California weather.

Interested applicants should submit CV with publication list, statement of research interests and contact information for 2-3 references via email to vijayas@ucr.edu.

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.

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy. All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption,



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Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. New University of California employees should refer to Appendix F, Section II.C. of the policy for applicable deadlines. (Capitalized terms in this paragraph are defined in the policy.) Federal, state, or local public health directives may impose additional requirements.