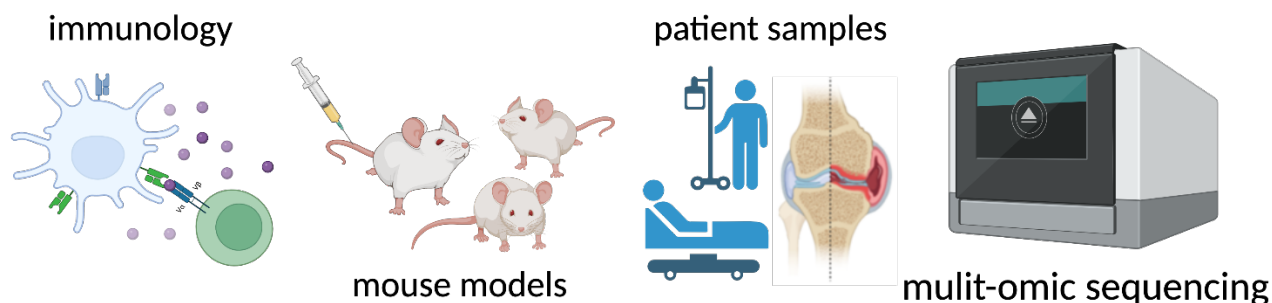


**Investigating Mechanisms of Dysregulated Immune Tolerance in Autoimmunity**

The [Ashouri Lab](#) has an opening for a postdoctoral researcher who is interested in understanding how immune tolerance is broken in autoimmune diseases. Our lab is focused on advancing our knowledge of T cell signaling and repertoire thresholds required for immune tolerance. We study how the complex molecular interactions between cells alter immune health and the impact dysregulation in these communication pathways has on immune mediated diseases, such as rheumatoid arthritis. We utilize mouse models, human samples, along with molecular, cell-based, genetic, and multi-omic technologies including paired single-cell RNA and TCR-sequencing, and genetic engineering of primary immune cells. A major driving force of the lab is to identify the TCR specificities, gene expression profile, and signaling networks of cells involved in antigen recognition in autoimmune diseases.

We seek talented and highly motivated candidates with strong backgrounds in immunology, molecular biology, computational biology, microbiology, and/or murine models of inflammatory disease. Candidates will be expected to be able to work independently, but also collaborate with other groups, and be active, hands-on contributors to the Ashouri Lab. Our lab and collaborators form a multidisciplinary team of immunologists, molecular biologists, microbiologists, and computational biologists. The successful candidate will report directly to Dr. Judith Ashouri-Sinha, MD, but will work closely with collaborators within and outside of the group.

**RESPONSIBILITIES**

Responsible for the design, execution, and interpretation of experiments, preparation of scientific presentations, grants, and publications, interactions with collaborators, as well as supervision of technicians or students as needed.

**QUALIFICATIONS**

Candidates who have demonstrated rigorous basic and translational research during their graduate training will be considered. Significant experience in standard laboratory techniques (such as molecular biology, western blotting, PCR, flow cytometry, mouse studies, data analysis, etc.) and/or computational analysis of large datasets is required. The candidate should be highly motivated, dedicated, and a team player.

The Ashouri Lab is located at the University of California, San Francisco Parnassus Medical Center Campus, conveniently located in the Inner Sunset. Our lab is within the Immunology & Microbiology community enabling engagement with a rich group of investigators and access to cutting-edge resources for promoting immunologic research. Candidates interested in this position should send a cover letter (1 page), a curriculum vitae (CV), and a list of three references to Dr. Judith Ashouri-Sinha ([judith.ashouri@ucsf.edu](mailto:judith.ashouri@ucsf.edu)). Please include "Ashouri\_Lab\_Postdoc" in the email subject heading.

