UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

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The Alex Marson Lab at the University of California, San Francisco (UCSF), is recruiting a Staff Research Associate (SRA)/Specialist to assist with ongoing projects in functional genomics and genetic engineering of T cells. Our lab has pioneered the application of CRISPR technologies to primary human and mouse immune cells, with an emphasis on T cells (Schumann *et al.*, PNAS 2015). These new technical abilities have furthered our lab's research into the genetic underpinnings of T cell biology (Simeonov *et al.*, Nature 2017; Shifrut and Carnevale *et al.*, Cell 2018), as well as opened the door to novel cancer immunotherapies based on engineered human T cells (Roth *et al.*, Nature 2018). In addition to cell editing, our lab integrates genomic analysis (e.g. ChIP-seq, ATAC-seq, RNA-seq), human disease genetics, and high dimensional screening approaches for *in vitro* and *in vivo* studies of T cell function.

Working under the direction and in collaboration with postdoctoral fellows, the SRA will apply a variety of immunology and molecular biology techniques to further essential components of existing projects. Responsibilities will include extensive molecular cloning, isolation and culture of primary human and mouse immune cells, CRISPR-mediated editing of primary cells, analysis of engineered cells (via sequencing and flow cytometry), and functional assays with the engineered cells and cancer cell lines. Strong organizational and communication skills are required. For exceptionally skilled applicants, this work will extend toward design of novel cellular editing experiments and *in vivo* analysis of novel cellular cancer immunotherapies. This position presents an excellent opportunity to gain exposure to integral laboratory skills at the cutting edge of genome engineering and immunology in a dynamic, well-established research environment.

Required Qualifications:

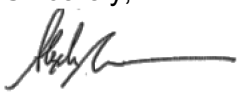
- BA/BS degree and one or more years of laboratory experience utilizing techniques or methods required by the position
- Experience with general laboratory techniques, especially basic molecular and cellular biology techniques (including but not limited to DNA and RNA isolation, PCR, gel electrophoresis, DNA assembly, bacterial transformation, mammalian cell culture, etc.)
- Excellent organizational and communication skills
- Willingness and ability to learn new methods and skills for changing research priorities
- Ability to work independently and as a member of a research team
- Ability to prioritize tasks, coordinate work tasks with others, and meet multiple deadlines

Preferred Qualifications:

- Prior experience in an immunology lab
- Prior coursework in immunology and genetics
- Prior experience with DNA sequencing technologies, including Sanger and NGS
- Prior experience in the design and assembly of DNA constructs (via restriction digestion and ligation, Gibson assemblies, Golden Gate cloning, etc.)
- Prior hands-on experience with mouse handling and injections

Salary for the position is according to the UCSF pay scale. UCSF is an equal opportunity/affirmative action employer. All qualified candidates are encouraged to apply. Please submit your complete application documents including CV and references to: murad.mamedov@ucsf.edu, sagar.bapat@ucsf.edu, and alexander.marson@ucsf.edu .

Sincerely,



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