

The Saligrama lab is recruiting curious and energetic research technicians who are eager to be part of a collaborative, interdisciplinary research environment that fosters diverse perspectives and is motivated by the thrill of discovery.

The **Saligrama lab**, Department of Neurology at Washington University, School of Medicine in St. Louis, MO is seeking for a Research Technician to independently conduct, analyze, and present experiments under the support and guidance of postdoctoral fellows and principal investigator of the laboratory.

EDUCATION & EXPERIENCE: - Bachelor's degree or higher in Biology, Molecular Biology, Biochemistry or related science discipline - At least one year of prior laboratory experience - Experience with mammalian cell culture - Excellent communication and organizational skills

Duties include:

- Plan and perform experiments in support of research projects in lab and/or field based on knowledge of scientific theory. Interpret and perform basic analyses of results. Basic Molecular Biology, PCR, Plasmid preparation, Construction of expression vectors for production of recombinant proteins to be used downstream in vivo and in vitro assays
- Perform experiments involving FACS analysis and sorting of single T cells from human or mouse. Perform single T cell receptor sequencing
- Tissue culture and transfections of Mammalian and Insect cells for virus amplification/production and protein expression
- Expression, purification and production of recombinant proteins in bacterial, insect and mammalian systems to study receptor-ligand interactions
- Assist with protein engineering via Yeast Surface Display
- Review literature on an ongoing basis to remain current with new procedures and related research.
- Offer suggestions regarding modifications to procedures and protocols in collaboration with graduate students, post-doctoral fellows, and clinical fellows.
- Maintain detailed records of experiments and outcomes.
- Contribute to publication of findings as needed. Participate in the preparation of written documents, including procedures, presentations, and proposals.
- Help with general lab maintenance as needed; maintain lab stock, manage chemical inventory and safety records, and provide general lab support as needed.
- Help orient and train new staff or students.

If you are interested, please contact –

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