

Senior Research Technician Tufts University

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Posted Nov. 10, 2025, set to expire Mar. 23, 2026

Job Title	Senior Research Technician
Department	Department of Neuroscience
Institution	Tufts University Medford, Massachusetts
Date Posted	Nov. 10, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Biology - Neuroscience/Neurobiology Biology - Microbiology Biology - General
Job Website	https://jobs.tufts.edu/jobs/22498?lang=en-us&iis=Job+Board&iisn=AcademicKeys
Apply By Email	
Job Description	

Overview

The Department of Neuroscience is a basic research department focusing on synaptic biology and glia biology. The lab of Dr. Dulla investigates how synapses are formed and remodeled in the developing nervous system with a broad focus on neurological disease and epilepsy. We address this question in mouse models and apply electrophysiological and imaging approaches, together with mouse behavioral and in vivo electrophysiological studies.

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What You'll Do

The successful candidate will work directly with the Principal Investigator and a team to study the neurological effects of brain infection. The role involves working on understanding how the brain gets infected with tuberculosis (TB) and how varying outcomes are driven by the brain's immune response. There are three primary tasks in this position:

1. Carry out TB infections in the brains of mice to understand the effects of infection on the brain and the immune response. This requires coordination with collaborators and detail-oriented animal surgeries in a BSL-3 environment.
 2. Analyze animal outcomes, anatomical data, transcriptional data, and generate publication quality figures demonstrating results, and contribute to writing of reports, manuscripts, and presentations. Analyzing single cell and/or single nuclei RNAseq data could be a component.
 3. Play a supportive role in the lab, contribute to general lab maintenance (ordering supplies, maintaining equipment, scheduling), and work with graduate students, post-docs, and research scientists to support their ongoing projects.
- Mouse care, animal surgery, tissue collection and preparation
 - Analyze data, generate publication quality figure, and contribute to the writing of reports
 - Ordering, lab maintenance, and supporting others in their research

What We're Looking For

Basic Requirements:

- Knowledge and skills as typically acquired through Bachelor's degree in science
- At least three years of related laboratory experience
- Extensive experience with animal work and survival surgery
- Strong computer and database/spreadsheet skills
- Applicants need to be highly organized and have excellent communication skills
- Highly organized with attention to detail/follow-up
- Able to communicate with others effectively

Preferred Qualifications:

- Advanced knowledge and experience with laboratory techniques and procedures

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- Knowledge of neuroscience
- Knowledge of immunology and microbiology
- Experience working in a BSL-3 environment
- Strong understanding of statistics

Pay Range

Minimum \$24.70, Midpoint \$29.50, Maximum \$34.20

Salary is based on related experience, expertise, and internal equity; generally, new hires can expect pay between the minimum and midpoint of the range.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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