

Research Technician Tufts University

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Posted Mar. 6, 2024, set to expire Dec. 31, 2024

Job Title	Research Technician
Department	
Institution	Tufts University Medford, Massachusetts
Date Posted	Mar. 6, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Biology - Molecular Biology - Cell Biology Biology - General
Job Website	https://jobs.tufts.edu/jobs/20179?lang=en-us&iis=Job+Board&iisn=AcademicKeys
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Job Description	

Overview

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The faculty in MBM are united by a common interest in the biology of microbes (bacteria, fungi, viruses, and parasites) and the effects of microbes on human and animal hosts. The microbial pathogens program studies microorganisms that cause infectious diseases, with emphasis on rigorous analysis of these pathogens and the immune responses that restrict them. Program investigators direct detailed studies of pathogenic bacteria, viruses, fungi and eukaryotic parasites. Research topics include structural analysis of virus entry, viral evolution, viral oncogenes, intracellular bacterial pathogens, microorganisms that cause diarrhea and pneumonia, intracellular signaling, pathogen adhesion, genetic determinants involved in susceptibility to infection, vaccine development, and identification of novel antimicrobial agents.

What You'll Do

The position will involve a blend of an independent laboratory based research project, assisting others with their projects and a small amount of lab management. Duties will include: cell culture maintenance and experiments, performing bench laboratory experiments, and some lab management. The successful candidate must be able to easily work with and communicate positively with others and extremely well organized and should have a BA or ScB in a scientific discipline. Training will be provided for the laboratory based research, but prior experience with sterile technique, tissue culture, microbiological manipulations and/or FACS analysis will be strongly favored.

Conduct routine experiments:

- Follow and design appropriate protocols/procedures to achieve results
- Perform techniques such as cell culturing, preparing samples for live-cell microscopy or FACS, lentivirus transductions, microbiology infections of cells and molecular biology procedures
- Help manage the laboratory, including (but not limited to) ordering supplies and noting inventory, lab organization, coordinating equipment repair, helping with safety inspections

Record results and assist with data analysis:

- Keep accurate records of experiments and results
- Perform data interpretation/summarization including graphing figures and statistical analysis (will be trained)
- Communicate findings to graduate students/postdocs and PI

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What We're Looking For

Basic Requirements:

- BS or BA in a Biological science
- This position will require working with mice.

Preferred Qualifications:

- Consistent attention to detail and excellent organizational and communication skills are critical.
- Previous experience with cell culture, experience with microbiology and/or mouse work are strongly preferred but not required.

Pay Range

Minimum \$19.80, Midpoint \$23.55, Maximum \$27.30

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