

## Research Technician Tufts University

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Downloaded On: Aug. 22, 2025 10:39am

Posted May 7, 2025, set to expire Dec. 31, 2025

<b>Job Title</b>	Research Technician
<b>Department</b>	Department of Infectious Disease and Global Health
<b>Institution</b>	Tufts University Medford, Massachusetts
<b>Date Posted</b>	May 7, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Research Scientist/Associate
<b>Academic Field(s)</b>	Immunology & Infectious Diseases Biomedical Sciences
<b>Job Website</b>	<a href="https://jobs.tufts.edu/jobs/21547?lang=en-us&amp;iis=Job+Board&amp;iisn=AcademicKeys">https://jobs.tufts.edu/jobs/21547?lang=en-us&amp;iis=Job+Board&amp;iisn=AcademicKeys</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

### Overview

The Department of Infectious Disease and Global Health (IDGH) combines four important areas of expertise within Tufts University Cummings School of Veterinary Medicine. These are public/population health, international medicine, wildlife and conservation medicine, and infectious disease research. The alignment of these areas promotes cross-disciplinary strengths that are important in achieving the department's goal of improving human, animal and ecosystem health locally, nationally and globally. Much of the research in the department aims to advance understanding of the biology and host interaction of pathogens, particularly those causing enteric disease, and to use this information to develop immunotherapy and vaccines against the pathogens.

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### What You'll Do

The position involves working in a research laboratory, animal model laboratory, in the specialized facility, and at the computer recording, processing, and analyzing data. The candidate will be expected to work in collaboration with the senior investigator and laboratory staff to execute experiments involving mostly in vivo and in vitro investigations on infectious agents including *Treponema pallidum*. The work will require working in BSL2 and possibly BSL3 facility. The expectation is that the candidate will have communication skills, be highly self-motivated, and will be encouraged to be resourceful and a team player. The position requires experience with infectious agents, animal model (such as mouse, rabbit) cell culture, molecular biology (PCR and quantitative PCR) and immunoassays (such as ELISA).

Essential Functions as a Research Technician will be:

- Under the direction of the principal investigator and senior lab staff, complete assigned project tasks involving hands-on skills of working in vitro and in vivo with infectious agents; standard molecular procedures such as DNA extraction, PCR and gel electrophoresis; immunoassays such as ELISA;
- Record-keeping;
- Assist with data analysis;
- Be able to work with multiple animal models, including rabbits and mice.
- Monitor disease progression and manifestation (sample collection and analysis), performing procedures, and examining and analyzing tissues histologically, including the application of immunohistochemistry.
- General lab maintenance
  - Restocking lab supplies,
  - Ordering supplies;
  - Organization and maintenance, including glassware cleaning, disposal of hazardous and biohazardous waste, autoclaving; minor equipment maintenance; preparing solutions.
- Assist with data analysis and literature searches, perform scholarly activities, and attend lab meetings, attend scientific meetings and seminars, other duties as directed by the PI or senior lab staff.
- The position may involve performing and balancing scientific work on several projects under the leadership of the senior investigators as requested.
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### What We're Looking For

#### Basic Requirements:

- 0-1 years of related laboratory experience
- Bachelor's degree in biological sciences or related field of study

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- Ability to use Microsoft Excel, Power Point and Word, and other basic computer skills
- Ability to lift up to 30 lbs. with or without accommodation.

Preferred Experience, Education, etc.

- Knowledge of and experience with laboratory techniques and procedures and data analysis
- Knowledge of immunology, molecular genetics and cell biology relating to infectious agents Laboratory skills
- Experience working with animal models

### **Pay Range**

Minimum \$20.10, Midpoint \$23.90, Maximum \$27.70

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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