

Senior Research Technician - Department of Infectious
Disease and Global Health
Tufts University

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Posted Mar. 21, 2024, set to expire Dec. 31, 2024

Job Title	Senior Research Technician - Department of Infectious Disease and Global Health
Department	
Institution	Tufts University Medford, Massachusetts
Date Posted	Mar. 21, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Research/Technical/Laboratory
Job Website	https://jobs.tufts.edu/jobs/20271?lang=en-us&iis=Job+Board&iisn=AcademicKeys
Apply By Email	
Job Description	

Overview

The Department of Infectious Disease and Global Health combines four important areas of expertise within Tufts 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 internationally. Research in the Department aims to advance understanding of the biology and host interaction of pathogens, particularly those causing tickborne diseases, and to use this information to develop new treatments and prevention.

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What You'll Do

This is a short-term, three month position. Under the direction of senior research scientists, the Senior Research Technician will assist in a wide range of experiments that include molecular biology, serology, and biochemical techniques. Additionally, in this role, you will be involved in assisting the experiments using ticks carrying the Lyme disease causing bacteria, *Borrelia*. The Technician will assist the health monitoring and husbandry of the health of laboratory animals, including wild- and domestic birds and rodents; and is expected to assist in analyzing data, manuscript preparation, presenting and archiving data arising from those experiments. Other related duties as assigned.

Essential functions as a Senior Research Technician include:

- Testing the efficacy of vaccines and prophylaxis to block Lyme disease bacterial transmission using tick feeding chamber models;
- Testing the survivability of Lyme disease bacteria in different animals' serum samples;
- Testing the seropositivity of Lyme disease bacteria in the sera from different wild animals;
- Assisting in monitoring the health and husbandry of laboratory animals, including birds and rodents
- Assisting in analyzing data, manuscript preparation, presenting archiving data arising from the experiments

What We're Looking For

Basic Requirements:

- 1 or more years of experience in biomedical, veterinary, or related research laboratory
- Bachelor's degree in biological or veterinary sciences
- Computer skills: ability to use Microsoft Excel, Word, and other basic computer skills
- Ability to lift up to 30 lbs. with or without accommodation.
- Willingness to work with laboratory model species, including birds and rodents
- Willingness to work with infectious agents in a Biosafety Level 2 environment.

Preferred Qualifications:

- Advanced capabilities with Microsoft Excel formulas and spreadsheets

Pay Range

Minimum \$24.00, Midpoint \$28.55, Maximum \$33.10



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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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