

Research Technician - Molecular Biology and  
Microbiology, School of Medicine  
Tufts University

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Posted Jun. 26, 2020, set to expire Nov. 8, 2020

**Job Title** Research Technician - Molecular Biology and Microbiology,  
School of Medicine

**Department**

**Institution** Tufts University  
Boston, Massachusetts

**Date Posted** Jun. 26, 2020

**Application Deadline** Open until filled

**Position Start Date** Available immediately

**Job Categories** Research Scientist/Associate

**Academic Field(s)** Biology - Molecular  
Biology - Microbiology

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**Job Description**

Research Technician - Molecular Biology and Microbiology, School of Medicine - (20001383)

Description

This is a limited term position ending December 1, 2020. This is a grant funded position and is not eligible for severance pay.

Members of the department are actively engaged in research on fundamental and medically related problems in microbiology and molecular genetics. They include the genetics and biochemistry of bacterial and fungal pathogens and their interaction with host cells, the mode of action of antibiotics and drug resistance, the intracellular organization of bacteria, mechanisms of transcriptional regulation, mechanisms of virus entry, gene expression, replication and assembly.

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Under supervision of the principal investigator and a senior scientist who is intimately familiar with the techniques required, the Research Technician will conduct a variety of experiments following established procedures/protocols, which will include culturing bacteria and mammalian cells, performing electrophoresis or PCR, extracting DNA, preparing samples for high throughput Illumina DNA sequencing and other well established laboratory techniques. In these capacities, the Technician will also record test results and analyze data using basic statistics. In addition, the Technician may monitor the functioning of laboratory equipment, organize and maintain logbooks and supplies, and assist in monitoring animal colonies. The job involves performing transcriptional analysis on macrophages in the presence of immune modulators. The assistant will perform these transcriptional experiments and be responsible for sharing in lab maintenance duties. The assistant will be expected to analyze data and perform bioinformatic analysis after the data are acquired.

#### Qualifications

##### Basic Requirements:

Bachelor's degree in science with 2 years experience post baccalaureate.

##### Preferred Qualifications:

Familiarity with basic laboratory techniques and procedures

Excellent organizational and communication skills are critical.

Knowledge of MS Office products, basic statistical analysis and computation is necessary.

Previous experience working with small research animals, microbiology and/or molecular biology techniques preferred.

##### Special Work Schedule Requirements:

Occasional need to work overtime, holidays or weekends as needed.

An employee in this position must complete all appropriate background checks at the time of hire, promotion, or transfer.

Equal Opportunity Employer – minority/females/veterans/disability/sexual orientation/gender identity.

#### Contact Information



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**Contact**

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