

Research Technician - Biology, School of Arts and
Sciences
Tufts University

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Posted Jan. 24, 2024, set to expire Dec. 31, 2024

Job Title	Research Technician - Biology, School of Arts and Sciences
Department	Allen Discovery Center
Institution	Tufts University Medford, Massachusetts
Date Posted	Jan. 24, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Bioengineering (all Bio-related fields)
Job Website	https://jobs.tufts.edu/jobs/20090?lang=en-us&iis=Job+Board&iisn=AcademicKeys
Apply By Email	
Job Description	

Overview

The [Allen Discovery Center](#) is dedicated to the advancement of basic biology and biomedicine, and to using an integrated approach to control biological structure and function. Through a combination of molecular genetics, biophysics, and computational approaches, researchers at the Center work toward a multi-level control of patterning. Novel technology is being developed to modulate the bioelectric communication that enables cells to coordinate their activities toward specific anatomical and functional outcomes. This new type of epigenetic control has significant implications for developmental biology, evolution, unconventional computation, and synthetic bioengineering. Applications in progress include the repair of birth defects, regenerative medicine, cancer reprogramming, and synthetic biology.

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What You'll Do

This is grant funded and a one-year limited term position, renewable based upon performance and continued funding.

We are seeking a versatile, experienced, and highly motivated Research Technician, who will report to a senior scientist working at our Center. The Research Technician will assist this researcher with a broad range of molecular biology and cell culture techniques, including the below:

- Plasmid DNA preparation
- PCR
- Cloning
- Transfection
- Western blots
- Immunocytochemistry
- Isolation and preparation of RNA for RNA-seq
- RT-PCR/qPCR
- Cell culture plating techniques and maintenance (such as making stock solutions, media changes and culture splitting)
- Conducting electrophysiology experiments
- Multiplex cell imaging under a microscope

The ideal candidate must be detail-oriented, experienced in producing reproducible high-quality data, able to manage multiple concurrent tasks, and be an excellent verbal and written communicator.

What We're Looking For

Basic Requirements:

- Knowledge and skills as typically acquired by a Bachelor's degree in biochemistry, biology, biomedical engineering, or a related discipline is required, with 1–2 years of molecular biology experience in an academic or industrial laboratory.

Preferred Qualifications:

- Familiarity with basic statistics, image analysis software, and Adobe Illustrator/Photoshop
- Experience with electrophysiology

Special Work Schedule Requirements:

This position requires the ability to be organized in a fast-paced environment and demands detailed work on multiple concurrent tasks requiring concentrated attention. While performing the duties of this job, the employee may be required to work with toxic or caustic chemicals. The employee is occasionally exposed to wet and/or humid conditions; moving

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mechanical parts; fumes or airborne particles. The noise level in the work environment is usually moderate.

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

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