

Research Technician - Biology Tufts University

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Posted May 30, 2024, set to expire Dec. 31, 2024

Job Title	Research Technician - Biology
Department	Allen Discovery Center
Institution	Tufts University Medford, Massachusetts
Date Posted	May 30, 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/20548?lang=en-us&iis=Job+Board&iisn=AcademicKeys
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Job Description	

Overview

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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.

What You'll Do

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

- 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.

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
- 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

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- The ideal candidate will be detail-oriented, experienced in producing reproducible high-quality data, able to manage multiple concurrent tasks, and have excellent communication, interpersonal, and analytical skills
- Ability to multi-task, be able to work independently, and possess a strong drive toward excellence in state-of-the-art research

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 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