

Research Technician - Biology Tufts University

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Posted May 17, 2024, set to expire Dec. 31, 2024

Job Title	Research Technician - Biology
Department	
Institution	Tufts University Medford, Massachusetts
Date Posted	May 17, 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/20496?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

We are seeking a skilled Research Lab Technician to join our project on mammalian limb regeneration. The Research Technician will work closely with a senior scientist at our Center, and report to our Administrative Director. An employee in this position should have experience performing animal microsurgery, immunohistochemistry (IHC) and tissue sectioning and will:

- Conduct routine and specialized experiments
- Record results and assist with data analysis
- Maintain laboratory equipment and supplies

What We're Looking For

Basic Requirements:

- Knowledge and skills as typically acquired by a Bachelor's degree in Biology, or Biomedical science, or related discipline
- Comfortable working with animal models
- Good manual dexterity and coordination are required, as this role demands precision in handling delicate meticulous surgical work on small animal models (mice)
- A strong understanding of animal physiology, anatomy, and ethics in research

Preferred Qualifications:

- Experience working with animal models
- Experience with histological sectioning (frozen and paraffin-embedded)
- Familiarity with immunohistochemistry method is desirable as well as experience with animal survival surgeries
- Excellent organizational, analytical and record-keeping skills, as well as a firm understanding of stoichiometric calculations
- The ideal candidate will have the ability to multi-task, follow instructions accurately, and work semi-independently
- Good communication skills and the ability to work collaboratively in a team environment
- A successful candidate will possess a strong drive toward excellence in state-of-the-art research

Special Work Schedule Requirements:



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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 this 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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