

Senior Research Assistant - Allen Discovery Center,  
Biology  
Tufts University

Direct Link: <https://www.AcademicKeys.com/r?job=256705>

Downloaded On: Dec. 7, 2025 11:50am

Posted May 7, 2025, set to expire Dec. 31, 2025

<b>Job Title</b>	Senior Research Assistant - Allen Discovery Center, Biology
<b>Department</b>	Allen Discovery Center
<b>Institution</b>	Tufts University Medford, Massachusetts
<b>Date Posted</b>	May 7, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Professional Staff
<b>Academic Field(s)</b>	Computer/Information Sciences Biology - Neuroscience/Neurobiology Biology - General
<b>Job Website</b>	<a href="https://jobs.tufts.edu/jobs/21869?lang=en-us&amp;iis=Job+Board&amp;iisn=AcademicKeys">https://jobs.tufts.edu/jobs/21869?lang=en-us&amp;iis=Job+Board&amp;iisn=AcademicKeys</a>

**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 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. Applications in progress include the repair of birth defects, regenerative medicine, cancer reprogramming, and synthetic biology.

Senior Research Assistant - Allen Discovery Center,  
Biology  
Tufts University

Direct Link: <https://www.AcademicKeys.com/r?job=256705>

Downloaded On: Dec. 7, 2025 11:50am

Posted May 7, 2025, set to expire Dec. 31, 2025

## What You'll Do

**Position is for a one-year term with the possibility to renew pending performance and available funding.**

The Senior Research Assistant (SRA) will support a DARPA-funded research initiative exploring the computational capabilities of embodied neural cultures through advanced virtual environments. This role will focus on computational neuroscience and software engineering to help expand and refine the platform, a closed-loop training interface for neural recordings. Working closely with the PI and the broader team at the Allen Discovery Center, the SRA will develop, test, and maintain software to train neural networks in silico, analyze large-scale electrophysiological datasets, and contribute to experimental design and interpretation. This position does not require bench experience, though tissue culture experience is a plus. Preference will be given to candidates with a background in computational neuroscience, neural modeling, or systems engineering.

## What We're Looking For

### Basic Requirements:

- Knowledge and skills as typically acquired by a Master's degree in computer science, neuroscience, engineering, or a related field and at least 5 years of academic or industry research experience
- Proficiency in Python and C++
- Experience working with large, complex codebases
- Strong background in data analysis and scientific computing

### Preferred Qualifications:

- Experience in computational neuroscience or neural data analysis

### Special Work Schedule Requirements:

May work with and be exposed to hazardous chemicals and materials, human/animal tissue and fluids, radiation.

## Pay Range

Minimum \$64,550.00, Midpoint \$80,700.00, Maximum \$96,850.00

Salary is based on related experience, expertise, and internal equity; generally, new hires can expect pay between the minimum and midpoint of the range.

Senior Research Assistant - Allen Discovery Center,  
Biology  
Tufts University

Direct Link: <https://www.AcademicKeys.com/r?job=256705>

Downloaded On: Dec. 7, 2025 11:50am

Posted May 7, 2025, set to expire Dec. 31, 2025

**Contact Information**

Please reference Academickeys in your cover letter when  
applying for or inquiring about this job announcement.

**Contact**

,