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Downloaded On: Nov. 29, 2025 4:43am
Posted Aug. 7, 2025, set to expire Jul. 25, 2026

Job Title Research Assistant

Department Mechanical Engineering
Institution Stevens Institute of Technology
Hoboken, New Jersey

Date Posted Aug. 7, 2025

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Research Scientist/Associate

Academic Field(s) Mechanical Engineering

Biomedical Engineering & Bioengineering

Job Website https://stevens.wd5.myworkdayjobs.com/External/job/Hoboken-

NJ---Main-Campus/Research-Assistant---Mechanical-

Engineering_RQ29314-1

Apply By Email

Job Description

Job Description

The Department of Mechanical Engineering at Stevens Institute of Technology is seeking a highly motivated and detail-oriented Staff Research Assistant to support ongoing research in the biomechanics of the brain. This position offers the opportunity to work closely with a multidisciplinary team of engineers, neuroscientists, and clinicians to investigate the mechanical properties of brain tissue, traumatic brain injury (TBI) mechanisms, and related neurobiological processes.



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•	Assist with the design of computational modeling studies
•	Operate and maintain laboratory equipment such as rheometers, microscopes, and mechanical testing devices
•	Collect, analyze, and interpret experimental data using software such as MATLAB, Python, or R
•	Assist in the preparation of reports, presentations, and manuscripts for publication
•	Ensure compliance with lab safety, IACUC, and institutional protocols
•	Contribute to literature reviews and protocol development

Minimum Qualifications:

Master's degree in biomedical engineering, Mechanical Engineering, Neuroscience, or related field



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 1–2 years of laboratory experience, preferably in biomechanics, neurobiology, or tissue engineering
• Familiarity with biological tissue handling and mechanical testing techniques
Strong analytical and problem-solving skills
Excellent organizational and communication abilities
Preferred Qualifications:
Experience with finite element modeling (e.g., ABAQUS, ANSYS, FE Bio)
• Programming skills (MATLAB, Python, etc.)
Prior experience working brain imaging techniques

Knowledge of histology and immunohistochemistry



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Contact Information

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

Contact

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