

Research Assistant  
Stevens Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=260892>

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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  
Bioengineering (all Bio-related fields)

**Job Website** [https://stevens.wd5.myworkdayjobs.com/External/job/Hoboken-NJ---Main-Campus/Research-Assistant---Mechanical-Engineering\\_RQ29314-1](https://stevens.wd5.myworkdayjobs.com/External/job/Hoboken-NJ---Main-Campus/Research-Assistant---Mechanical-Engineering_RQ29314-1)

**Apply By Email**

**Job Description**

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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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**Key Responsibilities:**

- 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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