

Postdoctoral  
Stevens Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=260958>

Downloaded On: Aug. 8, 2025 10:28pm

Posted Aug. 8, 2025, set to expire Jul. 25, 2026

**Job Title** Postdoctoral

**Department**

**Institution** Stevens Institute of Technology  
Hoboken, New Jersey

**Date Posted** Aug. 8, 2025

**Application Deadline** Open until filled

**Position Start Date** Available immediately

**Job Categories** Post-Doc

**Academic Field(s)** Bioengineering (all Bio-related fields)

**Job Website** [https://stevens.wd5.myworkdayjobs.com/External/job/Hoboken-NJ---Main-Campus/Postdoctoral\\_RQ29382-1](https://stevens.wd5.myworkdayjobs.com/External/job/Hoboken-NJ---Main-Campus/Postdoctoral_RQ29382-1)

**Apply By Email**

**Job Description**

**Job Description**

A postdoctoral position is available in the laboratory of Dr. Xiaojun Yu in the Department of Biomedical Engineering at Stevens Institute of Technology. The successful candidate will plan and conduct assigned and original research projects independently, while collaborating with faculty, staff, postdoctoral fellows, and students.

## Postdoctoral Stevens Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=260958>

Downloaded On: Aug. 8, 2025 10:28pm

Posted Aug. 8, 2025, set to expire Jul. 25, 2026

This position centers on the development of scaffolds for nerve regeneration, an emerging area of biomedical engineering research. The work will involve designing and fabricating composite scaffolds using electrospinning and 3D printing for application in animal models of nerve injury. The research will also encompass scaffold characterization, in vitro cell culture studies, and in vivo analyses to evaluate biomaterial–nerve tissue interactions.

### Key Responsibilities

- Develop and optimize fabrication techniques for composite scaffolds using electrospinning and 3D printing.
- Perform physical, chemical, and biological characterization of scaffolds.
- Establish in vitro cell culture models to assess cellular responses to biomaterials.
- Learn and perform surgical, histological, and imaging procedures for evaluating scaffold–nerve tissue interactions in animal models.
- Collaborate with colleagues at Stevens Institute of Technology on related and interdisciplinary research projects.
- Prepare manuscripts for publication in peer-reviewed journals and present research findings at national and international conferences.

### Qualifications

- Education: Ph.D. in Biomedical Engineering, Materials Science, or a related scientific, technical, or engineering discipline.
- Experience: Background in biomaterial development, characterization, and cell culture. Exposure

Postdoctoral  
Stevens Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=260958>

Downloaded On: Aug. 8, 2025 10:28pm

Posted Aug. 8, 2025, set to expire Jul. 25, 2026

to animal models of nerve injury is preferred.

- Skills: Strong experimental design and analytical skills. Excellent interpersonal and communication abilities. Ability to work independently and collaboratively with diverse research teams.

#### Application Instructions

- Applicants should submit the following materials:
- Cover letter describing research experience, interests, and long-term career goals.
- Curriculum vitae (CV).
- Names and email addresses of three professional references.

#### Department

Biodegradable Matrices for Bone Healing

#### Compensation Range

In compliance with the New Jersey Wage Transparency Act, the semi-monthly base range for this position is \$48,000 - \$50,400. This range represents the University's good faith estimate of possible compensation at the time of posting. Stevens Institute of Technology determines compensation based on factors including the position's scope and responsibilities, the candidate's experience, education, skills, internal equity, market data, and organizational considerations. The final salary will be set considering departmental budget, qualifications, and relevant credentials. This pay range represents base pay only and excludes additional forms of compensation, such as incentives, stipends, or other applicable pay components. For a full overview of our benefits offerings, please refer to the Stevens Institute of Technology Benefits Guidebook, available at:

[Benefits Guidebook](#)

Postdoctoral  
Stevens Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=260958>

Downloaded On: Aug. 8, 2025 10:28pm

Posted Aug. 8, 2025, set to expire Jul. 25, 2026

**General Submission Guidelines:**

Please submit an online application to be considered a candidate for any job at Stevens. Please attach a cover letter and resume with each application. Other requirements for consideration may depend on the job.

**Still Have Questions?**

If you have any questions regarding your application, please contact [Jobs@Stevens.edu](mailto:Jobs@Stevens.edu).

**EEO Statement:**

Stevens Institute of Technology is an Equal Opportunity Employer. Accordingly, Stevens adheres to an employment policy that prohibits discriminatory practices or harassment against candidates or employees based on legally impermissible factor(s) including, but not necessarily limited to, race, color, religion, creed, sex, national origin, nationality, citizenship status, age, ancestry, marital or domestic partnership or civil union status, familial status, affectional or sexual orientation, gender identity or expression, atypical cellular or blood trait, genetic information, pregnancy or pregnancy-related medical conditions, disability, or any protected military or veteran status.

Stevens is building a diverse faculty, staff, and student body and strongly encourages applications from people of all backgrounds. Stevens is a federal contractor under the Vietnam Era Veterans' Readjustment Assistance Act (VEVRAA) and the Rehabilitation Act of 1973, as well as other federal statutes.

**NSF ADVANCE Institution** Stevens values diversity and seeks candidates who will contribute to a welcoming and inclusive environment for students, faculty, and staff of all backgrounds. We are an NSF ADVANCE institution committed to equitable practices and policies and strongly encourage applications from women, racial and ethnic minority candidates, veterans, and individuals with disabilities.

Postdoctoral  
Stevens Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=260958>

Downloaded On: Aug. 8, 2025 10:28pm

Posted Aug. 8, 2025, set to expire Jul. 25, 2026

**Jeanne Clery Disclosure:**

In accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (Clery Act), the Department of Public Safety is required to publish an annual security report which includes statistics mandated by the Clery Act. Click [here](#) for a copy of this report.

**Contact Information**

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

**Contact**

,