

**Postdoctoral Research Associate  
University of Connecticut**

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Downloaded On: Nov. 21, 2024 1:57pm

Posted Oct. 11, 2024, set to expire Feb. 10, 2025

<b>Job Title</b>	Postdoctoral Research Associate
<b>Department</b>	Institute of Materials Science
<b>Institution</b>	University of Connecticut Storrs, Connecticut
<b>Date Posted</b>	Oct. 11, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Material/Metallurgy Chemical/Petroleum Bioengineering (all Bio-related fields)
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<b>Apply By Email</b>	
<b>Job Description</b>	

**Postdoctoral Research Associate**

**JOB SUMMARY**

The Institute of Materials Science (IMS) at the University of Connecticut (UConn) is seeking to hire a Postdoctoral Research Associate to develop wearable and implantable electrochemical sensors. The project will be carried out under the supervision of Dr. Yi Zhang (<https://zhangyigroup.com/>).

Dr. Yi Zhang is currently an Associate Professor in the Department of Biomedical Engineering and the Institute of Materials Science at the University of Connecticut. He obtained his Ph.D. degree in Chemical Engineering at the Georgia Institute of Technology and completed his postdoctoral research

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with Dr. John A. Rogers in the Querrey Simpson Institute for Bioelectronics and Materials Science and Engineering at Northwestern University. His current research group focuses on bioelectronics and biosensors for disease prevention, diagnosis, and treatment. The recent work from his group has been published in *Science Advances*, *Nature Chemical Biology*, *Angew Chemie (2)*, *Nano Letters*, *Analytical Chemistry*, and *ACS Sensors*.

The University of Connecticut is a public research institution located in Storrs, Connecticut established in 1881. The primary campus is located approximately a thirty-minute drive to Hartford, Connecticut, and a ninety-minute drive to Boston, Massachusetts. It is a flagship university ranked by the 2022 edition of U.S. News Best Colleges as 23rd (tie) for top public schools and 63rd (tie) for best national universities.

### **DUTIES AND RESPONSIBILITIES**

1. Prepare materials for laboratory and perform experiments.
2. Analyze and keep accurate records of experimental/observational data.
3. Provide access to all project-related data for the supervisor and manage and respond to project-related communications.
4. Prepare research papers, reports, and/or presentations.
5. Perform related duties.

### **MINIMUM QUALIFICATIONS**

- PhD. in Chemistry, Chemical Engineering, Biomedical Engineering, or a related discipline.
- An ability to work effectively and collaboratively with others.
- Experience with biosensors and bioelectronics.
- Strong record in relevant journals.

### **PREFERRED QUALIFICATIONS**

- Experience with aptamer-based biosensors.

### **APPOINTMENT TERMS**

Other rights and terms and conditions of your appointment are contained in the collective bargaining agreement between the University of Connecticut and the International Union, United Automobile, Aerospace, and Agricultural Implement Workers of America (UAW), Local 6950.

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## TERMS AND CONDITIONS OF EMPLOYMENT

Employment of the successful candidate is contingent upon the successful completion of a pre-employment criminal background check.

## TO APPLY

Please apply online at <https://hr.uconn.edu/jobs>, Staff Positions, Search #498699 to upload a **resume**, **cover letter**, and contact information for **three (3) professional references**.

This job posting is scheduled to be removed at 11:55 p.m. Eastern time on April 7, 2025.

All employees are subject to adherence to the State Code of Ethics which may be found at <http://www.ct.gov/ethics/site/default.asp>.

*All members of the University of Connecticut are expected to exhibit appreciation of, and contribute to, an inclusive, respectful, and diverse environment for the University community.*

*The University of Connecticut aspires to create a community built on collaboration and belonging and has actively sought to create an inclusive culture within the workforce. The success of the University is dependent on the willingness of our diverse employee and student populations to share their rich perspectives and backgrounds in a respectful manner. This makes it essential for each member of our community to feel secure and welcomed and to thoroughly understand and believe that their ideas are respected by all. We strongly respect each individual employee's unique experiences and perspectives and encourage all members of the community to do the same. All applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.*

*The University of Connecticut is an AA/EEO Employer.*

## Contact Information

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

## Contact



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