

Postdoctoral Scholar in Analytical Chemistry Tufts University

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Posted Jul. 4, 2025, set to expire Nov. 3, 2025

Job Title	Postdoctoral Scholar in Analytical Chemistry
Department	Chemical Engineering, Electrical Engineering https://www.nanolab.info
Institution	Tufts University Boston, Massachusetts
Date Posted	Jul. 4, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Chemistry - Biochemistry Chemistry - Analytical
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Job Description	

The Sonkusale Research Lab at Tufts University invites applications for a Postdoctoral Research Associate position focused on the development of paper-based analytical devices (PADs) for biomedical diagnostics using colorimetric and/or fluorescent detection methods. This role is part of our translational research program to develop low-cost, point-of-care diagnostic platforms for clinical and global health applications.

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We are seeking a motivated and creative researcher with strong training in chemistry or chemical engineering and a passion for next-generation diagnostic technologies. The position is based in the Boston area, offering a vibrant scientific ecosystem and opportunities for cross-disciplinary collaboration and career advancement.

Research Focus

The Sonkusale Lab is internationally recognized for its work at the intersection of nanotechnology, biosensing, and flexible bioelectronics. A key area of focus is the development of paper-based diagnostic tools for the detection of biomarkers in biological fluids such as blood, saliva, and sweat. These tools utilize colorimetric and fluorescent assays combined with smartphone-based imaging for quantitative and accessible diagnostic readouts.

To learn more about our body of work in biomedical diagnostics and related fields, please visit:

EEO/AA Policy

<https://access.tufts.edu/equal-employment-opportunity-hr>

We are committed to fostering an inclusive and diverse research community.

Contact Information

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

Contact Sameer Sonkusale
School of Engineering
Tufts University
Boston, MA

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Contact E-mail sameer.sonkusale@tufts.edu