

Postdoctoral Researcher in Materials Informatics
University of Wisconsin-Madison

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Posted May 18, 2025, set to expire Sep. 16, 2025

Job Title	Postdoctoral Researcher in Materials Informatics
Department	Mechanical Engineering https://engineering.wisc.edu/departments/mechanical-engineering/
Institution	University of Wisconsin-Madison Madison, Wisconsin
Date Posted	May 18, 2025
Application Deadline	Jul. 1, 2025
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Polymer Science Mechanical Engineering Material/Metallurgy Chemical/Petroleum
Job Website	https://pdelab.engr.wisc.edu/openings/
Apply By Email	yli2562@wisc.edu
Job Description	

We are excited to announce two postdoctoral research opportunities in our lab, each with distinct focus areas and skill requirements. Both positions offer competitive compensation and comprehensive benefits.

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1. Postdoctoral Position in Materials Informatics

We are seeking a highly motivated postdoctoral researcher with a strong background in materials informatics. The ideal candidate will have extensive training in their Ph.D. program and be capable of independently conducting research involving materials informatics. The specific focus areas encompass at least one of the following disciplines: scientific machine learning, materials informatics, and polymer physics/chemistry. The successful candidate will be responsible for designing and executing machine learning techniques for innovative polymer design and synthesis.

2. Postdoctoral Position in Hybrid Organic–Inorganic Perovskites (HOIPs)

We are also looking for a postdoctoral researcher with extensive expertise in computational modeling of HOIPs, such as density functional theory and ab initio molecular dynamics. The ideal candidate will have a strong background in these areas. The successful candidate will be responsible for the computational modeling and design of new HOIPs, understanding their physical properties, and collaborating with other researchers to apply these materials for various applications.

General Requirements

- (i) Education: Ph.D. in a relevant field (e.g., materials science and engineering, chemical engineering, mechanical engineering, physics, etc.).
- (ii) Experience: Proven track record of research excellence, as demonstrated by publications in top peer-reviewed journals.
- (iii) Skills: Strong analytical and problem-solving abilities, excellent communication skills, and the ability to work both independently and collaboratively.

Application Process

Interested candidates should submit the following documents:

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(a) Curriculum Vitae: Detailing academic background, research experience, and publications.

(b) Cover Letter: Explaining your interest in the position and how your background aligns with the requirements.

(c) References: Contact information for at least three professional references.

Please send your application materials to "yli2562.AT.wisc.edu" with the subject line "Postdoctoral Application – [Specify Position]".

We look forward to receiving your applications and exploring the possibility of you joining our dynamic research team.

Contact Information

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

Contact Ying Li
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