

Postdoctoral Associate, Chemical and Biological
Engineering
University at Buffalo, The State University of New York

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Posted Mar. 12, 2024, set to expire Aug. 4, 2024

Job Title	Postdoctoral Associate, Chemical and Biological Engineering
Department	Chemical & Biological Engineering
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Mar. 12, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc Post-Doc
Academic Field(s)	Chemical/Petroleum Chemical/Petroleum Bioengineering (all Bio-related fields) Bioengineering (all Bio-related fields)
Job Website	https://www.ubjobs.buffalo.edu/postings/49095

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Job Description

The group of Associate Prof. Eleni Kyriakidou at the [Department of Chemical and Biological Engineering](#) at the University at Buffalo is looking for a Postdoctoral Associate to develop novel catalytic materials with enhanced low-temperature activity and durability at high temperatures related to catalytic transformations for the control of methane emissions in the atmosphere.

The research will focus on applying fundamental principles to industrially-relevant systems, and will require the development of zeolite-based catalysts.

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Responsibilities will include:

- The post-doctoral scholar will synthesize zeolite-based catalysts, characterize them, and elucidate their structure-property relationships under industrially relevant conditions.
- Mentor and collaborate with undergraduate/MS students and PhD candidates on research.
- Write quarterly scientific reports and manuscripts to be published in peer reviewed scientific journals
- Give annual scientific presentations to nationwide catalysis and emission control conferences

The research involves collaboration with MAHLE Powertrain and Oak Ridge National Laboratory through a ARPA-E REMEDY project.

Outstanding Benefits Package

Working at UB comes with benefits that exceed salary alone. There are personal rewards including comprehensive health and retirement plan options. We also focus on creating and sustaining a healthy mix of work, personal and academic pursuit - all in an effort to support your work-life effectiveness. We support your growth and development through our career coaching and training department and we qualify as a public service loan forgiveness organization. Learn more about the great [benefits](#) the University at Buffalo has to offer.

About The University at Buffalo

The University at Buffalo (UB) #ubuffalo is one of America's leading public research universities and a flagship of the State University of New York system, recognized for our excellence and our impact. UB is a premier, research-intensive public university dedicated to academic excellence. Our research, creative activity and people positively impact the world. Like the city we call home, UB is distinguished by a culture of resilient optimism, resourceful thinking and pragmatic dreaming that enables us to reach others every day. Visit our website to learn more about the [University at Buffalo](#).

As an Equal Opportunity / Affirmative Action employer, the Research Foundation will not discriminate in its employment practices due to an applicant's race, color, religion, sex, sexual orientation, gender identity, national origin and veteran or disability status.

Contact Information

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Please reference Academickeys in your cover letter when
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Contact

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