

Postdoc in Nanoscale Heat Transfer
University of California at Merced

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Posted Oct. 16, 2025, set to expire Feb. 15, 2026

Job Title	Postdoc in Nanoscale Heat Transfer
Department	Mechanical Engineering http://welab.ucmerced.edu
Institution	University of California at Merced Merced, California
Date Posted	Oct. 16, 2025
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Post-Doc Post-Doc
Academic Field(s)	Engineering Mechanics Engineering Mechanics Mechanical Engineering Mechanical Engineering Energy Technology Energy Technology Engineering - Other Engineering - Other
Job Website	https://aprecruit.ucmerced.edu/JPF02032
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Job Description	

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The Water and Energy Technology Laboratory at UC Merced is looking for two qualified postdoctoral researchers that are self-motivated, creative and enthusiastic to work on experimental measurements and numerical simulations of heat transfer in micro/nanomaterials and their interfaces. The duties of the postdocs will include: i) conducting experiments and simulations to characterize non-diffusive heat transfer in micro/nanomaterials and their interfaces; ii) writing papers/reports describing the results of the evaluations and investigations; and iii) assisting with the oversight of graduate and undergraduate assistants working on research projects.

QUALIFICATIONS

Must have a PhD in thermal science and engineering, or related field, and experience in the thermometry and modeling. Must have strong written and verbal communication skills. Highly self-motivated individuals who have demonstrated the ability to conduct independent scientific research successfully are desirable.

ONLINE APPLICATION: <https://aprecruit.ucmerced.edu/JPF02032>

Help Contact: yma5@ucmerced.edu

EEO/AA Policy

<p>The University of California at Merced is an affirmative action/equal opportunity employer with a strong institutional commitment to the achievement of diversity among its faculty, staff, and students. The University is supportive of dual career couples.</p>

Contact Information

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

Contact Prof. Y. Ma
Mechanical Engineering and Applied Mechanics

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