

Postdoctoral Associate, Physics
University at Buffalo

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Posted Mar. 17, 2025, set to expire Jul. 15, 2025

Job Title	Postdoctoral Associate, Physics
Department	Physics
Institution	University at Buffalo Buffalo, New York
Date Posted	Mar. 17, 2025
Application Deadline	11/07/2025
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Physics - General
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Job Description

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Postdoctoral Associate, Physics

Position Information

Position Title: Postdoctoral Associate, Physics

Department: Physics

Posting Link: <https://www.ubjobs.buffalo.edu/postings/53985>

Job Type: Full-Time

Posting Detail Information

Postdoctoral Associate, Physics University at Buffalo

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Position Summary

Applications are invited for a postdoctoral position in the [Department of Physics](#) at the University at Buffalo (UB), State University of New York in the area of materials discovery using modern theoretical and computational techniques.

Responsibilities include:

- Working with our experimentalists and computational scientists to build relevant database of materials of interest. Using modern computational and data science techniques to identify materials with promising properties.
- Carrying out first-principles electronic structure calculations and modeling.
- Preparing reports, presentations and manuscripts.
- Assisting the PIs with supervising junior graduate students.

The successful candidate should have a Ph.D. degree in condensed matter physics (or a related field) and has demonstrated original contributions to the field.

Priority will be given to candidates with experience in scientific computing and programming, first-principles electronic structure techniques (especially large-scale computation of complex materials and structures), and data-driven materials discovery. The candidate is also expected to collaborate closely with experimentalists and computational scientists. The appointment is initially for one year and can be extended for two more years.

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 our [benefit packages](#).

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About The University at Buffalo

The University at Buffalo (UB) #ubuffalo is one of Americas 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 applicants race, color, religion, sex, sexual orientation, gender identity, national origin and veteran or disability status.

Minimum Qualifications

The successful candidate must have a Ph.D. degree in condensed matter physics (or a related field), should be familiar with scientific programming and data science methods, and have demonstrated original contributions to the field.

Preferred Qualifications

Priority will be given to candidates with experience in first-principles electronic structure theory (especially large-scale computation of complex materials and structures).

Physical Demands

Salary Range

\$52,500 - \$57,500

Special Instructions Summary

Is a background check required for this posting?

No

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Contact Information

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Posting Dates

Posted: 11/07/2024

Deadline for Applicants: Open Until Filled

Date to be filled: 08/01/2025

Contact Information

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

Contact

N/A

University at Buffalo

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