

Postdoctoral Associate, Physics  
University at Buffalo, The State University of New York

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Posted Nov. 8, 2024, set to expire Aug. 4, 2025

<b>Job Title</b>	Postdoctoral Associate, Physics
<b>Department</b>	Physics
<b>Institution</b>	University at Buffalo, The State University of New York Buffalo, New York
<b>Date Posted</b>	Nov. 8, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Physics - General
<b>Job Website</b>	<a href="https://www.ubjobs.buffalo.edu/postings/54010">https://www.ubjobs.buffalo.edu/postings/54010</a>

**Apply By Email**

**Job Description**

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.

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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](#).

### **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**

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

### **Contact**



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