

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

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Posted Mar. 1, 2024, set to expire Aug. 4, 2024

Job Title	Postdoctoral Associate, Physics
Department	Physics
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Mar. 1, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Physics - General
Job Website	https://www.ubjobs.buffalo.edu/postings/48590

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Job Description

As a **Postdoctoral Associate** in the [Department of Physics](#), this position will support the research program of Profs. Peihong Zhang and Xuedong Hu. Projects will focus on understanding material physics that affect the performance of semiconductor quantum dots based spin qubits. The candidate will work closely with both supervisors, other postdocs, graduate students, and with our experimental collaborators.

Duties will include but are not limited to:

- Work with our experimental collaborators to identify materials physics that are relevant to the performance of spin qubits
- Carry out first-principles electronic structure calculations and modeling
- Prepare reports, presentations and manuscripts
- Assist the PIs with supervising junior graduate students

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Outstanding Benefits Package

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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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