

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

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Posted Dec. 5, 2023, set to expire Aug. 4, 2024

|                             |                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Job Title</b>            | Postdoctoral Associate, Physics                                                                           |
| <b>Department</b>           | Physics                                                                                                   |
| <b>Institution</b>          | University at Buffalo, The State University of New York<br>Buffalo, New York                              |
| <b>Date Posted</b>          | Dec. 5, 2023                                                                                              |
| <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<br>Sciences - General                                                                   |
| <b>Job Website</b>          | <a href="https://www.ubjobs.buffalo.edu/postings/46894">https://www.ubjobs.buffalo.edu/postings/46894</a> |

**Apply By Email**

**Job Description**

As a postdoctoral associate in the [Department of Physics](#), this position will support the research program of [Professor Xuedong Hu \(PI\)](#). Projects will focus on quantum coherence and measurement of spin qubits in semiconductor nanostructures. There are collaboration opportunities with Professor Peihong Zhang's group in the study of qubit coherence and reservoir dynamics.

Duties will include but are not limited to:

- Work with experimental and theoretical colleagues in identifying key issues in spin qubit coherence and measurement;
- Perform theoretical studies of spin qubit coherence and/or measurement;
- Prepare reports, presentations, and manuscripts;

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- Assist the PI in supervising graduate students.

### **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. Visit our benefits website to learn 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**