

**Postdoctoral Associate  
University at Buffalo**

Direct Link: <https://www.AcademicKeys.com/r?job=269188>

Downloaded On: Dec. 8, 2025 2:33pm

Posted Dec. 8, 2025, set to expire Dec. 17, 2025

**Job Title** Postdoctoral Associate  
**Department** Institute for Lasers Photonics and Biophotonics  
**Institution** University at Buffalo  
Buffalo, New York

**Date Posted** Dec. 8, 2025

**Application Deadline** 12/17/2025  
**Position Start Date** Available immediately

**Job Categories** Post-Doc

**Academic Field(s)** Physics - Atomic/Molecular/Optical/Plasma  
Physics - General

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**Job Description**

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**Postdoctoral Associate**

**Position Information**

**Position Title:** Postdoctoral Associate

**Department:** Institute for Lasers Photonics and Biophotonics

**Posting Link:** <https://www.ubjobs.buffalo.edu/postings/60120>

**Job Type:** Full-Time

## Postdoctoral Associate University at Buffalo

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### Posting Detail Information

#### Position Summary

**The Institute for Lasers Photonics and Biophotonics** at the University at Buffalo is seeking a **Postdoctoral Associate** to conduct multidisciplinary research in the area of Physics and will be engaged in the design, optical characterization, and performance evaluation of advanced photonic materials and structures.

Job duties will include:

- Developing next-generation photonic structures with applications in quantum metrology, biosensing and integrated quantum technologies with a particular focus on chiral and topological photonic platforms.
- Designing setting up and executing the experiments
- Developing relevant algorithms for experimental data post-processing
- Mentor and work closely with multiple Ph.D. and M.S. students as well as four principal investigators from different disciplines.
- Frequent oral and written reporting will be required.

#### 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 the great [benefits](#) the University at Buffalo has to offer.

#### 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

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identity, national origin and veteran or disability status.

**Minimum Qualifications**

- Ph.D. in a related field

**Preferred Qualifications**

- Experience in Chemistry, Physics, Photonics and Quantum Optics
- Basic professional knowledge of the disciplinary field and the ability to relate this knowledge to various phenomena under study. Requires the ability to apply the theory, concepts and principles in the field of study or discipline
- Primary responsibilities include data analysis, drafting and preparing manuscripts with the PI and presentation of data at national and international scientific meetings.
- Demonstrated outstanding performance throughout their previous studies with their own publications.
- Highly motivated and exceptionally organized team player with good communication skills.
- Strong language and writing skills.

**Physical Demands**

**Salary Range**

\$50,000

**Special Instructions Summary**

**Is a background check required for this posting?**

No

**Contact Information**

**Contact's Name:** Timothy Cryan

**Contact's Pronouns:**

**Contact's Title:** Executive Officer

**Contact's Email:** [tmcryan@buffalo.edu](mailto:tmcryan@buffalo.edu)

**Contact's Phone:** 716-645-4159

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**Posting Dates**

**Posted:** 12/03/2025

**Deadline for Applicants:** 12/17/2025

**Date to be filled:**

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**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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