

Postdoctoral Associate, Institute for Lasers Photonics and
Biophotonics
University at Buffalo

Direct Link: <https://www.AcademicKeys.com/r?job=260158>

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Posted Jul. 24, 2025, set to expire Aug. 4, 2025

Job Title	Postdoctoral Associate, Institute for Lasers Photonics and Biophotonics
Department	Institute for Lasers Photonics and Biophotonics
Institution	University at Buffalo Buffalo, New York
Date Posted	Jul. 24, 2025
Application Deadline	08/06/2025
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Physics - Atomic/Molecular/Optical/Plasma Physics - General Biology - Biochemistry
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Job Description

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Postdoctoral Associate, Institute for Lasers Photonics and Biophotonics

Position Information

Position Title: Postdoctoral Associate, Institute for Lasers Photonics and Biophotonics

Department: Institute for Lasers Photonics and Biophotonics

Posting Link:

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<https://www.ubjobs.buffalo.edu/postings/58173>

Job Type: Full-Time

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 Quantum Optics experiments and generation of entangled photons using femtosecond laser and nonlinear optical techniques.

Job duties will include:

- Exploring how non-classical states of light can enhance modern microscopic imaging techniques.
- 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.

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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](https://www.AcademicKeys.com/r?job=260158).

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

- 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

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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

Contact's Phone: 716-645-4159

Posting Dates

Posted: 07/23/2025

Deadline for Applicants: 08/06/2025

Date to be filled:

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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