

**Postdoctoral Associate, Microbiology and Immunology
University at Buffalo**

Direct Link: <https://www.AcademicKeys.com/r?job=263534>

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Posted Oct. 7, 2025, set to expire Aug. 4, 2026

Job Title	Postdoctoral Associate, Microbiology and Immunology
Department	Microbiology and Immunology
Institution	University at Buffalo Buffalo, New York
Date Posted	Oct. 7, 2025
Application Deadline	10/06/2026
Position Start Date	Available immediately
Job Categories	Post-Doc Post-Doc
Academic Field(s)	Biology - Microbiology Biology - Microbiology Biology - General Biology - General
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Job Description

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Postdoctoral Associate, Microbiology and Immunology

Position Information

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Postdoctoral Associate, Microbiology and Immunology

Department: Microbiology and Immunology

Posting Link: <https://www.ubjobs.buffalo.edu/postings/59389>

Job Type: Full-Time

Posting Detail Information

Position Summary

This **Postdoctoral Associate** position is available in the lab of [Dr. Yolanda Huang](#) ([Department of Microbiology & Immunology](#)). Our overarching research goal is to advance our understanding of the gut microbiota at the molecular level. We are interested in studying microbial functions important for bacteria to colonize and survive in the gut habitat. Potential projects include studying carbon metabolic pathways and genetic determinants underlying bacteria-phage interactions in Bacteroidales. Research projects leverage cutting-edge techniques, including DNA barcoding, short and long read sequencing, and high-throughput functional genomics. Responsibilities will include leading research projects, developing new protocols, mentoring students, presenting research outcomes, and publishing. The ideal candidate will have a PhD in microbiology, biochemistry, molecular biology, or a related field, and have demonstrated research productivity. The lab is committed to the success of all members and provides mentorship and opportunities for research and career development.

Expertise in any of the following areas is an asset: microbiology of anaerobes and phages, assay development, functional genomics, generation and analysis of sequencing data, -omics techniques, bioinformatics, biochemistry, and analytical chemistry (HPLC, LC-MS).

Responsibilities will include:

- Conducting experiments independently, establishing new protocols.
- Timely recording of accurate experimental details and results.
- Performing data interpretations and communicating findings to the PI.
- Participating and contributing to group meetings.
- Writing manuscripts related to the project; assisting in preparation of research proposals.
- Participating and presenting work at conferences, workshops.
- Training and mentoring lab members; assisting others when/where expertise is needed.
- Performing weekly lab maintenance duties.

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Learn more:

- Our [benefits](#), where we prioritize your well-being and success to enhance every aspect of your life.
- Being a part of the [University at Buffalo community](#).

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

- PhD in Microbiology, Biochemistry, Molecular Biology, or a related field

Preferred Qualifications

- Expertise in one or more of the following: isolation/cultivation of anaerobes and/or phages, anaerobic techniques, functional genomics, sequencing, high-throughput assay development, biochemistry, bioinformatics, analytical chemistry (LC-MS, HPLC), and microbial genetics.
- Ability to analyze, publish, and present research data.
- Self-motivation, ability to work independently and collaborative within a team, time-management and organizational skills, strong communication skills.

Physical Demands

Salary Range

\$55,000 - \$65,000

Special Instructions Summary

Is a background check required for this posting?

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No

Contact Information

Contact's Name: Yolanda Huang

Contact's Pronouns:

Contact's Title: Assistant Professor

Contact's Email: yyh@buffalo.edu

Contact's Phone: 716-829-2279

Posting Dates

Posted: 10/06/2025

Deadline for Applicants: Open until filled

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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