

## Research Technician I, Microbiology and Immunology University at Buffalo

Direct Link: <https://www.AcademicKeys.com/r?job=253608>

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Posted Feb. 21, 2025, set to expire Jun. 21, 2025

<b>Job Title</b>	Research Technician I, Microbiology and Immunology
<b>Department</b>	
<b>Institution</b>	University at Buffalo Buffalo, New York
<b>Date Posted</b>	Feb. 21, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Professional Staff
<b>Academic Field(s)</b>	Research/Technical/Laboratory
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**Job Description**

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**Research Technician I, Microbiology and Immunology**

### Position Information

**Position Title:** Research Technician I, Microbiology and Immunology

**Classification Title:** Research Technician I

**Department:** Microbiology and Immunology

**Posting Link:** <https://www.ubjobs.buffalo.edu/postings/55257>

**Job Type:** Full-Time

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### Posting Detail Information

#### Position Summary

This position is immediately available in the lab of Dr. Yolanda Huang ([Department of Microbiology & Immunology](#)). The lab's research focuses on discovering new functions encoded among gut anaerobic bacteria and bacteriophages using high-throughput functional genomics. We also study bacteria-phage interactions and how phages alter bacterial physiology and microbial composition dynamics. The overall goal is to advance our understanding of the gut microbiota at the molecular level.

Research projects leverage cutting-edge techniques, including DNA barcoding, short and long-read sequencing technologies, and high-throughput functional genomics. Responsibilities will include supporting daily lab functions and research needs by purchasing reagent supplies, ensuring lab safety, maintaining instruments, and updating inventory.

The ideal candidate will also participate in the design and execution of wet lab experiments and/or computational analyses and is expected to contribute to publications. This may include bacterial genetics, molecular cloning, bacteria, and phage cultivations (aerobic and anaerobic), protein purifications, bioinformatics, and various -omic techniques. The lab is committed to the success of all members and provides close mentorship and opportunities for research and career development. The ideal candidate will have recently obtained their BSc or MSc in microbiology, bioengineering, bioinformatics, or a related field. Experiences in any of the following areas would be an asset: bacteria and/or phage isolation and cultivation, microbial genetics, molecular biology, protein biochemistry, assay development, analytical chemistry (HPLC, MS), sequencing, and bioinformatics.

#### Responsibilities will include:

- Conducting routine experiments following established protocols
- Timely recording of experimental details and results
- Performing data interpretations and communicating findings with the PI
- Contributing to publications through experimental/computational work and writing
- Participating and contributing to group meetings
- Assisting other lab members when/where expertise is needed
- Performing weekly lab maintenance duties including purchasing and stocking supplies
- Completing administrative tasks

**Application Instructions** Please contact Dr. Yolanda Huang ([yyh@buffalo.edu](mailto:yyh@buffalo.edu)) for more information

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or to discuss the position. Applications should include (i) a brief cover letter that highlights how your research interests and skills fit with the research themes in the lab, (ii) curriculum vitae, and (iii) contact information for three references. Review of potential candidates will begin immediately and will continue until the position is filled. A delayed start date is possible as well with the ideal candidate.

**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 pursuits - all in an effort to support your work-life effectiveness. Visit our benefits website to learn about our [benefits packages](#).

**About UB** The University at Buffalo is SUNY's most comprehensive public research university, and an outstanding place to work. UB amplifies the ambition of faculty and staff by offering endless possibilities to achieve more. Here, people from all backgrounds and cultures challenge and inspire each other to discover, learn, and succeed. Dedicated staff and engaged faculty collaborate to further knowledge and understanding and develop tenacious graduates who are valued for their talents and their impact on global society. 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.

### Minimum Qualifications

Requires education in a specific field and at least one year of experience directly related to the research or the program.

### Preferred Qualifications

- Bachelor of Science in Microbiology, Biochemistry, or a related field
- Experience in bacteria or phage cultivation, molecular biology, or bioinformatics
- Experience in experimental or computational work
- Self-motivated, ability to work independently and collaborate with a team
- Possess time management and organizational skills, and must possess strong communication skills

### Physical Demands

### Salary Range

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\$33,500 - \$40,000

**Special Instructions Summary**

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

No

**Contact Information**

**Contact's Name:** Yolanda Huang

**Contact's Pronouns:**

**Contact's Title:** Assistant Professor

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

**Contact's Phone:** 716-829-6061

**Posting Dates**

**Posted:** 01/16/2025

**Deadline for Applicants:** Open Until Filled

**Date to be filled:** 07/01/2025

**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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