

Research Scholar, Microbiology and Immunology
University at Buffalo, The State University of New York

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Posted Apr. 10, 2024, set to expire Aug. 10, 2024

Job Title	Research Scholar, Microbiology and Immunology
Department	Microbiology and Immunology
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Apr. 10, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Research/Technical/Laboratory
Job Website	https://www.ubjobs.buffalo.edu/postings/49580

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Job Description

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 are also interested in 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 leading research projects, developing new protocols, mentoring students, presenting research outcomes, and publishing. The ideal candidate will have a PhD in microbiology, bioengineering, biochemistry, bioinformatics, or a related field, and have demonstrated research productivity. Expertise in any of the following areas is desired: microbiology of anaerobes and phages, generation and analysis of sequencing data, bioinformatics, various -omics techniques, biochemistry, and bacterial genetics. The lab is committed to the success of all members and provides mentorship and

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opportunities for research and career development.

Expertise in any of the following areas is an asset: anaerobe and/or phage isolation and cultivation, high-throughput assay development, functional genomics, sequencing, bioinformatics, biochemistry, microbial genetics, and analytical chemistry (HPLC, LC-MS).

Responsibilities will include:

- Conducting routine experiments, 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 junior lab members; assisting others when/where expertise is needed.
- Performing weekly lab maintenance duties.

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 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.

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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