

Postdoctoral Associate, Biological Sciences  
University at Buffalo, The State University of New York

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Posted Apr. 3, 2024, set to expire Aug. 4, 2024

<b>Job Title</b>	Postdoctoral Associate, Biological Sciences
<b>Department</b>	Biological Sciences
<b>Institution</b>	University at Buffalo, The State University of New York Buffalo, New York
<b>Date Posted</b>	Apr. 3, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Chemistry - Biochemistry Chemistry - General Biology - Molecular Biology - Cell Biology Biology - Biochemistry Biology - Genetics Biology - General
<b>Job Website</b>	<a href="https://www.ubjobs.buffalo.edu/postings/49453">https://www.ubjobs.buffalo.edu/postings/49453</a>

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**Job Description**

The [Department of Biological Sciences](#) is seeking two **Postdoctoral Associates** who will work in the [Walker lab](#).

The Walker lab has recently identified posttranslational modifications regulating activity of eIF4A, the DEAD-box RNA helicase required for mRNA association with ribosomes in all eukaryotic cells, and linked these events to regulation of translation and RNA granule levels in yeast. We also identified a

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correlation between reduced eIF4B levels and cancer patient survival, and went on to show that targeted reduction of eIF4B levels in murine breast cancer cells led to metastatic behavior and decreased survival in mice.

Current projects in the lab aim to follow up on these results and others, and the PI welcomes discussion of additional project ideas. The research is supported by NIH and DOD grants, and employs a variety of techniques, including reconstituted and cellular biochemical assays, microscopy, transcriptome analyses, transcriptome-wide ribosome profiling, and high-throughput cell-sorting assays for translation initiation factor activities. We work in yeast and mammalian cell models and collaborate with researchers that perform complementary experiments in mice and using patient samples.

The researcher will have opportunities to collaborate with other genetics, proteomics, structural/biophysics, immunology, and oncology researchers to gain insights tying basic molecular mechanisms to aspects of human health.

She/he/they should be respectful of others and contribute to and/or be excited about working with a team of researchers from diverse backgrounds.

### **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](#).

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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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