

Postdoctoral Associate – Cellular & Molecular  
Neuroscience  
University at Buffalo, The State University of New York

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Posted Dec. 10, 2024, set to expire Aug. 4, 2025

<b>Job Title</b>	Postdoctoral Associate – Cellular & Molecular Neuroscience
<b>Department</b>	Neurology
<b>Institution</b>	University at Buffalo, The State University of New York Buffalo, New York
<b>Date Posted</b>	Dec. 10, 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>	Biology - Molecular Biology - Cell Biology
<b>Job Website</b>	<a href="https://www.ubjobs.buffalo.edu/postings/54657">https://www.ubjobs.buffalo.edu/postings/54657</a>

**Apply By Email**

**Job Description**

An exciting **postdoctoral associate** position is available immediately in the laboratory of Dr. Marc Halterman (Professor, [Department of Neurology](#)) at the University at Buffalo Jacobs School of Medicine and Biomedical Sciences. The research focuses on ischemic neuroprotection, with the goal of developing therapies to limit reperfusion injury, hemorrhagic transformation, and systemic inflammation following ischemic stroke. The project emphasizes mechanisms of ischemia-reperfusion injury, vascular biology, and interventions to reduce systemic innate immune activation. This postdoctoral position offers extensive opportunities for career development, including publishing, presenting research findings, and developing independent research skills.

**SUPERVISION AND DIRECTION EXERCISED:** The postdoctoral trainee may mentor and assist graduate and undergraduate students with specific technical tasks and provide guidance on

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experimental design and protocol execution.

**SUPERVISION AND DIRECTION RECEIVED:** Under the direct supervision of Marc Halterman, MD, PhD, the postdoctoral trainee will receive strong mentorship and career development support, working closely with the PI and a staff scientist.

**TECHNICAL EQUIPMENT USED:** The postdoctoral trainee will work with a range of cutting-edge molecular and cellular techniques, including:

- Multi-well assays and cell culture
- Live cell microscopy and imaging
- Mouse models of cerebral ischemia
- Immune function assays (flow cytometry, ELISA)
- Genomics (PCR, qPCR, sequencing, cloning)
- Protein expression and function analysis (Western blotting, enzymatic assays)
- Tissue characterization (immunohistochemistry, imaging mass cytometry)

### 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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