Postdoctoral Associate Cellular & Molecular Neuroscience
University at Buffalo

Job Title	Postdoctoral Associate Cellular & Molecular Neuroscience
Department	
Institution	University at Buffalo Buffalo, New York
Date Posted	Mar. 7, 2025
Application Deadline	11/25/2025
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Biology - Neuroscience/Neurobiology Biology - Cell Biology Biology - Biochemistry Biology - General Biology - Molecular
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Job Description

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Postdoctoral Associate Cellular & Molecular Neuroscience

Position Information

Position Title:

Postdoctoral Associate Cellular & Molecular Neuroscience
University at Buffalo

Postdoctoral Associate - Cellular & Molecular Neuroscience
Department: Neurology
Posting Link: https://www.ubjobs.buffalo.edu/postings/54364
Job Type: Full-Time

Posting Detail Information

Position Summary

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 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

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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 Americas 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 applicants race, color, religion, sex, sexual orientation, gender identity, national origin and veteran or disability status.

Minimum Qualifications

- Ph.D. in neuroscience, biology, biochemistry, physiology, or a related field.
- Experience in conducting basic and translational laboratory research.
- Ability to independently design, troubleshoot, and execute experiments.
- Strong organizational skills, attention to detail, and ability to work effectively in a team.

Preferred Qualifications

- Experience with rodent species in experiments, including MRI scanning, surgical procedures, and behavioral testing.
- Expertise in biochemical techniques, histology, and immunohistochemistry.
- Proficiency in cell culture and sterile technique.
- Excellent verbal and written communication skills, with a track record of publications.

Salary Range
$47,500

Is a background check required for this posting?

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No

Contact Information

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Posting Dates

Posted: 11/25/2024
Deadline for Applicants: Open Until Filled
Date to be filled: 02/28/2025

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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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