

Postdoctoral Associate, Biomedical Engineering
University at Buffalo, The State University of New York

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Job Title	Postdoctoral Associate, Biomedical Engineering
Department	Biomedical Engineering
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Sep. 2, 2020
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Bioengineering (all Bio-related fields)
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Job Description

A Postdoctoral Fellow position is available in the Vascular Mechanobiology laboratory of Dr. B. Rita Alevriadou in the Biomedical Engineering Department at the University at Buffalo - The State University of New York. We have a long-standing interest in vascular endothelial signaling mechanisms and (dys)function in response to changes in the cell's mechanochemical environment (fluid shear stress, hypoxia/reoxygenation, pressure, etc.). This NIH-funded project will focus on the role of mitochondrial calcium uptake and mitochondrial reactive oxygen species on cultured endothelial cell gene expression, protein synthesis, and cell survival vs. inflammation and apoptosis.

The Fellow will collaborate with researchers from the UB's North Campus (School of Engineering and Applied Sciences), Downtown Campus (Jacobs School of Medicine and Biomedical Sciences), the Roswell Park, and the University of Texas - San Antonio. The ideal candidate will have a self-motivated interest in pursuing a research career in cardiovascular biology, and will have experience in tissue culture, immunoprecipitation, Western blotting, transfection and viral transduction, siRNA transfection,

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qRT-PCR, ELISA, immunocytochemistry, FACS analysis, and apoptosis assays. Opportunities for mentorship and networking will be available through the Center for Research in Cardiovascular Medicine and the UB Office of Postdoctoral Scholars.

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. Visit our benefits website to learn about our <http://www.buffalo.edu/administrative-services/for-faculty-staff/benefits/research-foundation/regular-employees.html> benefit packages.

About UB

The University at Buffalo is SUNY's most comprehensive public research university, and an outstanding place to work. UB amplifies ambition for 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 <http://buffalo.edu/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.

Contact Information

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

Contact

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