

Research Technician I, Ophthalmology
University at Buffalo, The State University of New York

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Posted Nov. 3, 2023, set to expire Aug. 4, 2024

Job Title	Research Technician I, Ophthalmology
Department	Ophthalmology
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Nov. 3, 2023
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/46313

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Job Description

We are seeking an individual with a biology background and expertise in working with mouse models of disease to support our gene and nucleic acid therapeutics efforts for retinal degenerations. In this position you will:

- work on an exciting scientific project to develop novel gene and nucleic acid therapeutics toward treatments for certain retinal and ocular degenerative conditions
- work in a multidisciplinary lab that has expertise in molecular biology, biophysics, and bioengineering, with a focus on preclinical translation of nucleic acid therapeutics

We are working to optimize our new therapeutic technology which involves bioinformatics, molecular, biochemical, cellular and animal experiments. You will predominantly work on the animal side of this program to deliver therapeutics to the eye and test outcomes in mouse models of retinal

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degenerations. We have mouse models of retinal degenerations that will serve to test our emerging therapeutic agents for both efficacy and toxicity.

This work will mostly involve microscope-assisted injections into mouse eyes, followed by mouse retinal imaging approaches and retinal electrophysiology approaches that help us to determine if the therapeutics are functional and/or toxic. You will also assist in bioinformatics and biochemical and cellular experiments to help develop these novel therapeutics.

After processing experimental data and applying statistics to evaluate significance and refine performance models, you will collaborate with the Principal Investigator and colleagues to develop novel strategies to further enhance this class of therapeutic agents.

After learning essential tools you will work independently and exercise scientific judgement based upon your expertise. There will be regular discussion of experimental outcomes with the Principal Investigator and colleagues who will encourage your participation to structure the next experimental plans and scientific strategies. You can make intellectual contributions to the emerging science based upon your expertise and experience.

With the Principal Investigator and colleagues you will place orders and maintain lab protocols, records, and safety documentation.

In your experimental expertise you will train others (e.g., students, post-docs).

With the Principal Investigator and colleagues you will help prepare manuscripts for publications, and aid in preparation of grant proposals and reports to acquire new and maintain existing funding.

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 [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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