



University of Rochester

**Post-doctoral Research Position - Mitochondrial biology and neuronal function.
Department of Anesthesiology and Perioperative Medicine
University of Rochester Medical Center, Rochester, NY.**

A post-doctoral position is available at the University of Rochester Medical Center (URMC) in the laboratory of Dr. Andrew Wojtovich (www.urmc.rochester.edu/labs/wojtovich.aspx). The project is funded by a grant from the US National Institutes of Health and will study mitochondrial function and neuronal function using optogenetic approaches. The laboratory uses a broad range of methods that offers the opportunity for training in multiple disciplines. The postdoctoral fellow will work on projects related to mitochondrial function and neurodegeneration, including stroke, hypoxic stress, and Alzheimer's disease.

Responsibilities:

- Conduct independent and/or collaborative research to ensure all experiments are performed in compliance with Lab, Department, and University policies and procedures.
- Design, organize, and execute experiments using established protocols, while adapting or developing new protocols as needed.
- Maintain mouse colonies and cultured cell lines essential for the projects.
- Collect, prepare, and analyze research data, including maintaining a laboratory notebook to document experiments and results.
- Compile and organize data for presentations, utilize statistical software to analyze data.
- Contribute to the preparation of abstracts and articles, publish research findings in academic journals, and present results at conferences.
- Support Principal Investigators in applying for grants and scholarship opportunities.
- Train and supervise students, and other laboratory personnel.

Minimum Qualifications:

- Ph.D. in related field or discipline, such as Physiology, Biochemistry, or Neuroscience.
- Independently-motivated, resourceful, and a strong work ethic.
- Strong background in mitochondrial biology and the biological/mechanistic basis of mitochondrial involvement in neurodegenerative diseases.
- At least one first-author peer-reviewed publication in a related field.
- Excellent written and verbal communication skills.
- Established skills in laboratory techniques, such as microscopy, cell culture, and mouse behavior.
- Sufficient knowledge of large datasets and image analysis.

Work location:

On campus at URMC in Rochester, NY.

Benefits:

The University of Rochester has an active Postdoc Association that provides highly enriched environment for the fellows, including career development workshops. More information about postdoc activities and opportunities is available on their webpage, <https://ccc.rochester.edu/pda/home/>

- Competitive salary and benefits package.
- Access to University of Rochester's extensive resources and research facilities
- Opportunities for collaboration with leading scholars, clinicians, and industry experts
- Support for attending academic conferences and workshops

Application Process:

Interested applicants should submit

- (1) a cover letter contains a summary of research interests and career goals,
- (2) a complete curriculum vitae, and
- (3) contact information of three references to Andrew Wojtovich (andrew_wojtovich@urmc.rochester.edu).

Timeline:

Applications will be reviewed on a rolling basis until the position is filled. For inquiries about the position, please contact Andrew_Wojtovich@urmc.rochester.edu

The pay range of \$63,480 - \$71,748 represents the minimum and maximum compensation for this job. Individual annual salaries/hourly rates will be set within the job's compensation range, and will be determined by considering factors including, but not limited to, market data, education, experience, qualifications, expertise of the individual, and internal equity considerations.

The University of Rochester School of Medicine and Dentistry is located in upstate New York in the small but vibrant city of Rochester. Rochester is a highly livable community with access to world-class outdoor activities and a strong cultural environment without the hassles of big city living. The University of Rochester is committed to fostering, cultivating, and preserving an inclusive and welcoming culture to advance the University's Mission to Learn, Discover, Heal, Create – and Make the World Ever Better. In support of our values and those of our society, the University is committed to not discriminating on the basis of age, color, disability, ethnicity, gender identity or expression, genetic information, marital status, military/veteran status, national origin, race, religion, creed, sex, sexual orientation, citizenship status, or any other characteristic protected by federal, state, or local law (Protected Characteristics). This commitment extends to non-discrimination in the administration of our policies, admissions, employment, access, and recruitment of candidates, for all persons consistent with our values and based on applicable law.