



Post-doctoral Position, Cardiac Metabolism, University of Rochester NY.

A post-doctoral fellowship position is available in the lab of Paul S. Brookes, PhD (<https://www.psblab.org>) at the University of Rochester Medical Center (URMC). Our lab studies metabolism and mitochondria in the context of cardiac ischemia-reperfusion (IR) injury. This NIH-funded project (R01-HL071158) will investigate signaling pathways downstream of glycolysis and their roles as mediators of IR injury or cardioprotection. This includes acidic pH, methylglyoxal and glycative stress-signaling, and succinate driven generation of reactive oxygen species. The project uses transgenic mouse models, chemical biology, in-situ fluorescence, and LC-MS based metabolomics analysis.

Candidates must have a PhD and/or MD in an appropriate discipline and solid communication skills. Ideal candidates should have demonstrated experience in one or more of the following areas: metabolism, metabolomics, mitochondrial biology or cardiac physiology. For non-US citizens or permanent residents, appointment is contingent on issuance of an appropriate visa or residency permit to work in the US. Preference will be given to candidates who have graduated more recently. Stipend is based on experience, as per the NIH post-doctoral fellowship pay scale guidelines (<https://grants.nih.gov/grants/guide/notice-files/NOT-OD-21-049.html>).

URMC is the largest medical center in western NY, with large and diverse post-doctoral and graduate programs. The Rochester metro area comprises ~1m people and offers excellent arts and cultural resources, world-class outdoor activities, and affordable housing. URMC is an equal opportunity employer. Candidates who identify as underrepresented in STEM fields are particularly encouraged to apply.

Interested candidates should submit CV and cover email to paul_brookes@urmc.rochester.edu, or inquire by Twitter DM: @PSBROOKES