

Two Postdoctoral Positions at Johns Hopkins University School of Medicine



Two postdoctoral fellow positions are open in the laboratory of Dr. Jianhua Xiong at the Johns Hopkins University School of Medicine/Johns Hopkins All Children's Hospital in St. Petersburg, Florida. The long-term goal of Dr. Xiong's laboratory is to identify novel molecular and cellular targets that can be harnessed for cell therapy, immunotherapy and drug discovery against metabolic, cardiovascular and inflammatory diseases as well as cancer.

Located in the beautiful Tampa Bay area, Dr. Xiong's laboratory utilizes systems cell biology and immunology approaches to study the metabolic and cytokine-mediated regulation of cell fate and function in the vascular and immune systems, ranging from basic molecular mechanisms to human disease. Relevant publications include: Xiong J et al. T-cell related manuscript for submission; Xiong J et al. *Molecular Cell* 2018 [PMID: 29429925](#) (Editorially highlighted in *Nat. Rev. Mol. Cell Biol.*, *Trends. Mol. Med.* and *Trends Endocrinol. Metab.*); Xiong J. *Trends Endocrinol. Metab.* 2018 [PMID: 30314937](#); Xiong J. *Trends Biochem. Sci.* 2018 [PMID: 29735398](#); Xiong J et al. *J. Cell Biol.* 2015 [PMID: 25733712](#) (Editorially highlighted in *Nat. Rev. Mol. Cell Biol.* and *J. Cell Biol.*); Xiong J et al. *Oncogene* 2010 [PMID: 20562918](#).

Dr. Xiong is an awardee of the National Institutes of Health (NIH) R00 equivalent grant. As a trained immunologist and cell biologist, he completed his NIH postdoctoral training in the laboratories led by Dr. Finkel (Director, Center for Molecular Medicine; Elected Member of National Academy of Medicine) and Dr. Leonard (Director, Immunology Center; Elected Member of National Academy of Sciences) at National Heart, Lung, and Blood Institute (NHLBI).

Requirements: One position is focused on metabolic regulation of T cell differentiation and function; the other position is focused on endothelial cell function, metabolism and vascular-immune crosstalk. We are fully committed to the postdoc career development. Postdocs have full access to research resources from JHU Baltimore and Florida campuses.

- possess or be on track to complete a Ph.D., M.D., or equivalent doctoral degree in immunology, cell biology, biochemistry, molecular biology, genetics, or a related field.
- Comfortable working with mice and/or patient samples.
- Experience with T cell or endothelial cell culture and analyses is preferred.
- Experience with histopathology, super-resolution confocal microscopy, next-generation sequencing, or mass spectrometry-based proteomic and metabolomic approaches is a plus but not required.

Qualified candidates, particularly with prior training in immunology or cell biology, are welcome to send their CV, cover letter or research statement, and contact information of three referees in a single PDF file, to Dr. Jianhua Xiong, by email at jxiong10@jhmi.edu with subject "Postdoc application + Your name".