

***Postdoc Position: electrophysiological mechanisms of cardiac arrhythmias***

We are seeking a highly-motivated individual who has a background in electrophysiology and/or biomedical engineering to contribute to our studies of stress signal regulation of electrophysiological remodeling in atrial fibrillation development. This NIH-funded project involves electrophysiological experiments in isolated myocytes and intact heart tissue using optical mapping, confocal imaging, and patch clamp techniques.

**The Ai Lab** (<https://www.rushu.rush.edu/research/departamental-research/physiology-and-biophysics-research/laboratory-xun-ai-md>)

Our research focus is to understand the mechanisms of cardiac arrhythmias, especially atrial fibrillation (AF) in the aging heart per se and in the aged heart with co-existing cardiovascular diseases using combined molecular biochemical techniques and cutting-edge electrophysiological approaches.

**Requirements:** Qualified candidates must hold a PhD, MD or equivalent degree with training in electrophysiology, biomedical engineering, or other relevant field. Qualified candidates are expected to independently perform electrophysiological and other relevant experiments, and trouble-shoot any technical problems encountered during electrophysiological recording.

**To apply: Please email to Dr. Xun Ai (xun\_ai@rush.edu): 1. your CV; 2. a letter describing your scientific interests; and 3. contact information for three references**