

Dr. Shanna Hamilton is an Assistant Professor in the Department of Cellular and Molecular Medicine at the University of Arizona. She received her PhD in Biophysics at Cardiff University, Wales, in 2018 and recently completed postdoctoral training in cardiovascular physiology at Brown University and The Ohio State University. The overarching goal of Dr. Hamilton's laboratory is to decipher molecular mechanisms of calcium regulation in the healthy and diseased heart, with the end goal of uncovering novel therapeutic strategies to treat arrhythmias and heart disease. Current research interests include investigating how signaling pathways, such as endoplasmic reticulum stress and mitochondrial metabolism, contribute to calcium-dependent arrhythmias.