

Jonathan Kirk, PhD, FAHA is an Associate Professor and Vice Chair of the Department of Cell and Molecular Physiology at Loyola University Chicago Stritch School of Medicine. His lab studies cardiovascular disease by focusing on the sarcomere as both an underlying mechanism of dysfunction and a therapeutic target. The Kirk lab has three main pillars that support this goal: understanding sarcomere function via sophisticated biophysical assays, discovering how the sarcomere is regulated using state-of-the-art proteomics, and using animal models of disease and human tissue to translate discoveries towards clinical impact. Dr. Kirk received his PhD in Bioengineering from University of Pittsburgh and completed his postdoctoral training at Johns Hopkins University School of Medicine. He is the Director of the Loyola Mass Spectrometry Resource Center and PI of the Loyola Cardiovascular Biorepository. He consults for numerous Biotech companies developing heart failure therapeutics.