

**Biography:**

I'm a Principal Research Scientist at Duke-NUS Medical School and an Affiliate Investigator at the National Heart Centre Singapore. My work focuses on how cardiac cells respond to acute myocardial infarction, with a strong interest in targeting mitochondrial bioenergetics, dynamics, and cell death pathways. Using preclinical models, I study how mitochondrial dysfunction drives ischemia-reperfusion injury and heart failure, aiming to develop therapies that protect the heart and improve recovery.