

I graduated from Kyushu University School of Medicine, Japan, in 2007 and began my career as an MD. After gaining clinical experience, I pursued graduate studies under Professor Kenji Sunagawa at Kyushu University and obtained my PhD in 2016. Since then, I have been conducting biology-based research in the Department of Cardiovascular Medicine at Kyushu University, led by Professor Hiroyuki Tsutsui and Professor Kohtaro Abe. My research on ferroptosis has elucidated novel molecular mechanisms of myocardial injury in anthracycline-induced cardiotoxicity (JCI Insight, 2020; Sci Signal, 2022) and ischemia-reperfusion injury (JACC: Basic Transl Sci, 2022; JAHA, 2024), leading to potential therapeutic strategies. Beyond ferroptosis, I am engaged in a broad range of studies to combat cardiovascular diseases, including immuno-cardiology (Circ HF, 2022; Circ HF, 2023) and artificial intelligence (ESC Heart Failure, 2021; Circ Arrhythm Electrophysiol, 2023; Eur J Prev Cardiol, 2024; Eur Heart J Imaging Methods Pract, 2025).