

Takeru Makiyama, M.D., Ph.D., graduated from Kyoto University School of Medicine in 1997 and trained as a cardiologist. During his graduate studies under Professor Minoru Horie, he conducted genetic analyses of inherited arrhythmia syndromes and functional studies using the patch-clamp technique, earning his Ph.D. in 2007. He subsequently incorporated induced pluripotent stem (iPS) cell technology into his research, focusing on inherited cardiac disorders such as arrhythmias and cardiomyopathies. Currently, Dr. Makiyama leads research aimed at elucidating disease mechanisms and developing novel therapeutic strategies using patient-derived iPS cell models. His work bridges basic science and clinical cardiology, with the goal of translating molecular insights into future treatments.