

Dr. Jane Yu (Ze Yan) is a Senior Research Scientist jointly affiliated with the Cardiac Physiology and Mechanosensory Biophysics Laboratory. Her research focuses on pathological left ventricular hypertrophy (LVH)—the enlargement of the heart muscle in the left ventricle—in response to pressure overload caused by mechanical stress or genetic conditions such as hypertrophic cardiomyopathy.

Using various transgenic mouse models, Dr. Yu's current research explores the molecular pathways involved in left ventricular hypertrophy and aging.

Dr. Yu obtained her Bachelor's degrees in Medicine and Surgery from Jiamusi Medical University in 1982. She then trained as a specialist in obstetrics and gynaecology in China. In 1998, she completed her doctoral studies and subsequently undertook postdoctoral research focusing on neonatal cardiac development at the Faculty of Medicine, University of New South Wales. Since 2005, Dr. Yu has been part of the team led by Professors Michael Feneley and Boris Martinac the Victor Chang Cardiac Research Institute, Australia.