

**Poster Presentation 18** September 22 18:00-19:00 Room 4 (Reception Hall 1)**Mitochondria/Organelles**

Chairperson : Osamu Yamaguch (Department of Cardiology, Pulmonology, Hypertension & Nephrology, Ehime University Graduate School of Medicine)

**P18-1 Novel compound heterozygous TMEM70 variants impaired the activity of ATP synthase of complex V**

Keiichi Hirono (University of Toyama)

**P18-2 HERPUD1 protects against ER stress- and oxidative stress-induced cardiomyocyte death**

Soichiro Ikeda (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan)

**P18-3 FKBP8 protects the heart by preventing accumulation of misfolded protein and ER-associated apoptosis**

Tomofumi Misaka (Fukushima Medical University)

**P18-4 Oxidant stress terminates protective signals in mitochondria by recruitment of DUSP5 and PHLPP-1.**

Wataru Ohwada (Sapporo Medical University / JCHO Sapporo Hokushin Hospital)

**P18-5 Inhibition of xanthine oxidase prevents skeletal muscle mitochondrial dysfunction in heart failure**

Hideo Nambu (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University)

**P18-6 Cilnidipine improves heart failure after myocardial infarction by suppressing mitochondrial fission**

Kakeru Shimoda (Creative Research Group on Cardiocirculatory Dynamism, Exploratory Research Center on Life and Living Systems (ExCELLs), National Institutes of Natural Sciences / Department of Physiological Sciences, School of Life Science, The Graduate University for Advanced Studies (SOKENDAI))

**P18-7 Supplementation of succinyl-CoA improves the mitochondrial complex II dysfunction in heart failure**

Satoshi Maekawa (Hokkaido University)