



ISHR 2025

NARA

XXV World Congress

International Society for Heart Research

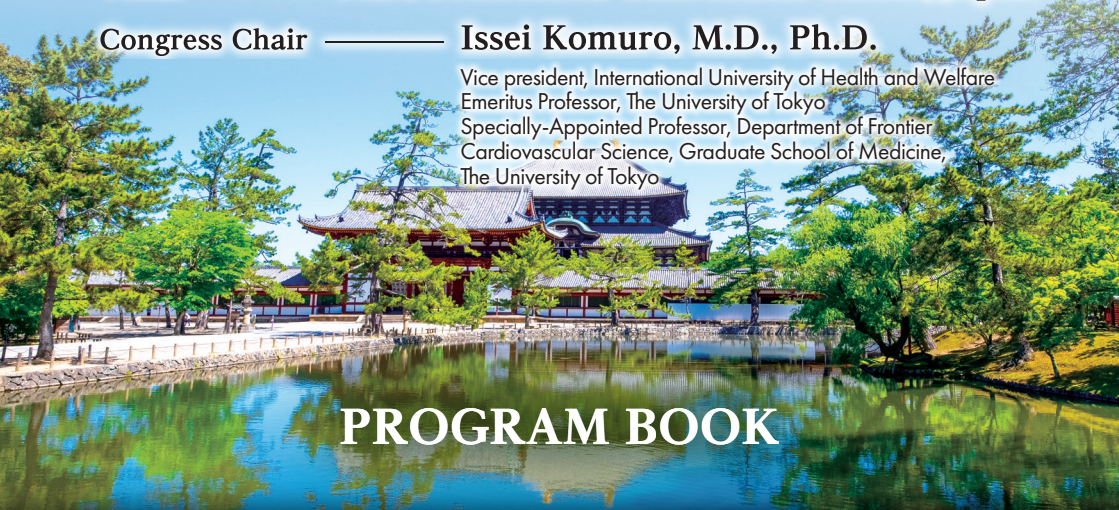


Date ————— May 11(Sun.) -14(Wed.), 2025

Venue ————— Nara Prefectural Convention Center, Japan

Congress Chair ————— Issei Komuro, M.D., Ph.D.

Vice president, International University of Health and Welfare
Emeritus Professor, The University of Tokyo
Specially-Appointed Professor, Department of Frontier
Cardiovascular Science, Graduate School of Medicine,
The University of Tokyo



PROGRAM BOOK

<https://www.ishr2025nara.jp/>

Poster Sessions

- PS3-121** **Histone deacetylase 8: a novel modulator of myofibril relaxation**
 Timothy LM Jones¹, Christopher Hoffer¹, Elizabeth J Hardy¹, Cortney E Wilson¹, Kristopher Fritz², Christine E Delligatti⁴, Jonathan A Kirk⁴, Lori A Walker¹, Timothy A McKinsey^{1,3}, Kathleen C Woulfe¹
¹Department of Medicine, Division of Cardiology, University of Colorado Anschutz Medical Campus, ²Department of Pharmacology, University of Colorado Anschutz Medical Campus, ³Consortium for Fibrosis Research & Translation, University of Colorado Anschutz Medical Campus, ⁴Department of Cell and Molecular Physiology, Loyola University Stritch School of Medicine
- PS3-122** **Hypercontractility-driven oxidative stress impairs creatine kinase function in hypertrophic cardiomyopathy**
 Anton Xu¹, David Weissman¹, Katharina J. Ermer¹, Michael Kohlhaas¹, Nazha Hamdani², Mark T. Waddingham³, James T. Pearson³, Inês Falcão-Pires⁴, Diederik Kuster⁵, Christopher N. Johnson⁶, Craig Lygate⁷, Jolanda van der Velden⁵, Christoph Maack¹, Vasco Sequeira¹
¹University Clinic Wuerzburg, ²Ruhr University Bochum, ³National Cerebral and Cardiovascular Center Research Institute, ⁴Faculty of Medicine of the University of Porto,, ⁵Amsterdam UMC, ⁶Mississippi State University, ⁷University of Glasgow
- PS3-123** **Characterizing the Molecular Signatures of Cardiac Sarcoidosis with Deep Immune Phenotyping**
 Wumesh KC, Refatun Momo, E John Wherry, Paco Bravo
 University of Pennsylvania
- PS3-124** **Sik2 antagonizes postinfarction cardiac repair by driving macrophage proinflammatory and impairing efferocytosis via Traf2 polyubiquitination**
 Wuwei Rong, Pingjin Gao, Xiaodong Li, Jiguang Wang
 Department of Cardiovascular Medicine, State Key Laboratory of Medical Genomics, Shanghai Institute of Hypertension, Ruijin Hospital, Shanghai Jiao Tong University School of Medicine
- PS3-125** **Modelling Genetic Cardiomyopathies Using iPSC-Derived Cardiomyocytes: Functional and Transcriptomic Insights into Mavacamten Response using 2D and 3D systems**
 Yiangos Psaras¹, Cheryl Tan^{1,2}, William Banyard¹, Christopher Toepfer¹
¹Division of Cardiovascular Medicine, Radcliffe Department of Medicine, University of Oxford, ²Ludwig Institute for Cancer Research, Nuffield Department of Medicine, University of Oxford

Wednesday, May 14

- PS3-126** **Unmasking Supervillin: Functional Insights in Hypertrophic Cardiomyopathy using iPSC-derived Cardiomyocytes**
 Yifan (Joshua) Li, Yiangos Psaras, Violetta Steeples, Charlotte Hooper, Alexander Sparrow, Paul Robinson, Hugh Watkins, Christopher Toepfer
 Division of Cardiovascular Medicine, University of Oxford
- PS3-127** **Suppression of Calpain Alleviates Coxsackievirus B3-Induced Myocarditis by Regulating RIPK1/RIPK3/MLKL Pathway**
 Yuxi Liu¹, Yong Wang², Guijian Liu¹, Fei Yi³, Dongyang Che⁴, Ruizhen Chen^{1,5}, Yunzeng Zou^{1,6}
¹Department of Cardiology, Zhongshan Hospital, Shanghai Medical College, Fudan University, Shanghai Institute of Cardiovascular Diseases, ²Department of Cardiac Surgery, Linyi People's Hospital, ³Thoracic Surgery, Central Hospital affiliated to Shandong First Medical University, ⁴School of Pharmacy, Jinan University, ⁵Key Laboratory of Viral Heart Diseases, Chinese Academy of Medical Sciences, ⁶Institutes of Biomedical Sciences, Shanghai Medical College, Fudan University
- PS3-128** **Multiorgan characterization of inflammasome expression in a rat model of advanced heart failure**
 Dávid Nagy^{1,2}, Zsófia Onódi^{3,4,5,6}, Márton Kocsis^{3,4,5,6}, Artúr Tóth^{3,4}, Tímea Bálint^{1,2}, Attila Oláh^{1,2}, Alex Ali Sayour^{1,2}, Bálint András Barta^{1,2}, Béla Merkely¹, Péter Ferdinandy^{3,4,7}, Tamás Radovits^{1,2}, Zoltán V Varga^{3,4,5,6}, Mihály Ruppert^{1,2}
¹Department of Cardiology, Heart and Vascular Center, Semmelweis University, ²Department of Surgical Research and Techniques, Heart and Vascular Center, Semmelweis University, ³Department of Pharmacology and Pharmacotherapy, Semmelweis University, ⁴Center for Pharmacology and Drug Research & Development, Department of Pharmacology and Pharmacotherapy, Semmelweis University, ⁵HCEMM-SU Cardiometabolic Immunology Research Group, ⁶MTA-SE Momentum Cardio-Oncology and Cardioimmunology Research Group, Semmelweis University, ⁷Pharmahungary Group
- PS3-129** **Lysosomal alkalization induces iron deficiency to promote cardiomyocyte senescence**
 Yohan Santin¹, Ilias Simon², Mattia Chiesa¹, Ezechiél Agbegbo², Karina Formoso², Dogus Karahan¹, Lara Iengo¹, Melania Lippi¹, Elena Sommariva¹, Frank Lezoualc'h²
¹Monzino Cardiology Center, Milano, Italy, ²Institute of Metabolic and Cardiovascular Diseases, Inserm, Université de Toulouse, UMR-1297, France