

Japan Section Symposium

Monday May 12

Japan Section Symposium 1 8.30 am		Roo205+206		Presentation Title	
1	Advances in research for cardiovascular aging	Chair	Naoki	Mochizuki	
		Chair	Tohru	Minamino	
		Speaker	Yasuhiro	Yamada	Modulation of Age-related Epigenome via In Vivo Reprogramming
		Speaker	Bin	Zhou	Wnt signaling regulates a unique fibroblast subpopulation to modulate cardiac fibrosis
		Speaker	Ippei	Shimizu	Unraveling the links: Cardiovascular disease and aging.
		Speaker	Yoshimitsu	Yura	Clonal hematopoiesis: The hidden mechanism underlying cardiovascular disease
		Speaker	Yasutomi	Higashikuni	Aging and inflammatory signaling in heart disease
		Speaker	Eiji	Hara	Roles and Mechanisms of Cellular Senescence in Aging-Associated Diseases: Insights into Microbial Interactions
Japan Section Symposium 2 4.05 pm		Roo205+206		Presentation Title	
2	Therapeutic Perspectives on Fibrosis-Associated Cardiac Diseases	Chair	Masafumi	Watanabe	
		Chair	Masaki	Ieda	
		Speaker	Hyoung Kyu	Kim	Multifaceted Role of Cereblon in Heart Failure: From Metabolism to Ion Channel Regulation
		Speaker	Adam	Wende	Epigenetic and post-translational control of cardiac remodeling in heart failure
		Speaker	Toshiyuki	Ko	Single-Cell Analysis Reveals Fibroblast-Cardiomyocyte Crosstalk in the Development of Heart Failure: Mechanism and Therapeutic Opportunity
		Speaker	Tetsuro	Yokokawa	Therapeutic targets and circulating biomarkers for right ventricular failure and fibrosis in pulmonary hypertension
		Speaker	Chun-han	Chang	Therapeutic Perspectives on Fibrosis-Associated Cardiac Diseases
		Speaker	Matthew	Ackers-Johnson	Immuno-modulatory signaling between cardiac fibroblasts and macrophages mediated by COX2.

Japan Section Symposium 3 8.15 am		Room 205+206		Presentation Title	
3	Interorgan Cross-talk in Cardiovascular Health and Disease	Chair	Yuichi	Oike	
		Chair	Satoaki	Matoba	
		Speaker	Hitoshi	Uchinoumi	Structural Instability of Type 2 Ryanodine Receptors on Endoplasmic Reticulum (ER) Membrane Causes ER Stress-Related Diseases in Various Organs
		Speaker	Katsuhito	Fujiu	TBD
		Speaker	Keisuke	Shinohara	The Brain as a Central Hub of Neural Interorgan Cross-talk in Hypertension and Heart Failure
		Speaker	Haojie	Yu	Decoding the Function of GPR75 in Obesity and Progressing Toward Antagonist-Based Therapies
		Speaker	Teruki	Sato	CNOT6L-Mediated Deadenylation in Cardiac Stress: A Protective Mechanism with Systemic Implications
		Speaker	Yibin	Wang	Metabolic Mechanisms of Heart Failure and Targeted Therapies
Japan Section Symposium 4 2.50 pm		Room 205+206		Presentation Title	
4	Novel insights into pulmonary hypertension and right ventricular dysfunction	Chair	Kotaro	Abe	
		Chair	Koji	Maemura	
		Speaker	Yoshikazu	Nakaoka	Activation of aryl hydrocarbon receptor via gut microbiota alterations in the pathogenesis of pulmonary hypertension
		Speaker	Noriaki	Emoto	Activin-A as a Novel Upstream Driver of Vascular Remodeling and Endothelin-1 Signaling in Pulmonary Arterial Hypertension
		Speaker	Dyah Wulan	Anggrahini	Prognosis and Risk of RV Dysfunction in Adult Pulmonary Hypertension Related to Congenital Heart Disease
		Speaker	Norifumi	Takeda	Elucidation of the pathophysiology of pulmonary arterial hypertension using a three-dimensional imaging system
		Speaker	Takahiro	Hiraide	Pulmonary arterial hypertension in Japan, focusing on the pathogenetic gene variants in BMPR2 and RNF213 genes
		Speaker	Takeshi	Suetomi	Mechanistic Role of RyR2 Stabilization in Maintaining Right Ventricular Myocardial Function
Japan Section Symposium 5 5.05 pm		Room 205+206		Presentation Title	
5	Young Investigator Award	Chair	Yasuchika	Takeishi	
		Chair	Koji	Maemura	
		Speaker	Ryo	Ogawara	Histone serotonylation as a novel cardioprotective epigenetic mechanism in HFpEF
		Speaker	Daigo	Nishijo	Prime editing correction of an Nkx2-5 variant in a murine congenital heart disease model
		Speaker	Akito	Shindo	The mechanism by which Asxl1 clonal hematopoiesis promotes inflammation and exacerbates heart failure
		Speaker	Takahiro	Jimba	Single-Cell Multi-Omics Analysis Reveals Mechanisms of Aerobic Exercise-Mediated Cardioprotection in Ischemic Cardiomyopathy
		Speaker	Wataru	Otsuru	Disruption of the Golgi apparatus exerts ER stress, mitochondrial dysfunction, and cardiac remodeling and dysfunction via CDK5-Golgi stress response pathway

Japan Section Symposium 6 6.15 pm		Room 205+206		Presentation Title	
6	Innate and Adaptive Immune Responses in Cardiovascular Disease	Chair	Motoaki	Sano	
		Chair	Toyoaki	Murohara	
		Speaker	Kosuke	Shirakawa	Disruption of multi-organ homeostasis in lifestyle diseases caused by SPP1-producing macrophages
		Speaker	Atsushi	Anzai	Deciphering fibroblast-immune axis identifies a novel mechanism underlying postinfarction cardiac repair
		Speaker	Xiaoxiang	Yan	The Efferocytosis-Endoplasmic Reticulum Stress Loop Governs Immune Responses and Heart Failure in Cardiac Ischemic Diseases
		Speaker	Jiong-Wei	Wang	TLR7 in cardiac injury
		Speaker	Tadayoshi	Karasawa	The regulatory mechanisms of inflammasome activation and neutrophil infiltration in atherosclerosis
		Speaker	Mikako	Katagiri	Spatial Multi-omics Analysis of Immune Cell Dynamics in Cardiac Sarcoidosis
Japan Section Symposium 7 2.00 pm		Room 205+206		Presentation Title	
7	Novel mechanisms in arrhythmogenesis	Chair	Takanori	Yamaguchi	
		Chair	Shigeki	Kobayashi	
		Speaker	Naohiko	Takahashi	Epicardial Adipose Tissue and Atrial Fibrillation
		Speaker	Takanori	Yamaguchi	Histopathological Evaluation of Atrial Fibrillation: Insights from 1,000 Atrial Biopsy Cases
		Speaker	Nipon	Chattipakorn	Mitochondrial dynamics and cardiac arrhythmias
		Speaker	Takeru	Makiyama	TBD
		Speaker	Koji	Yoshie	Upstream partial blockade of the cardiac sympathetic afferent system to suppress β adrenergic signaling for the antiarrhythmic effect
		Speaker	Seiko	Ohno	Genetic backgrounds and pathogenesis of inherited arrhythmia syndromes in Japan
Japan Section Symposium 8 4.15 pm		Room 205+206		Presentation Title	
8	Updates on Onco-cardiology: molecular mechanisms and therapeutic approaches	Chair	Hiroshi	Akazawa	
		Chair	Yasuchika	Takeishi	
		Speaker	Elena	Azizan	Pilot Study Investigating KCNJ5 Somatic Mutations Role on Cardiovascular Outcomes Among Malaysian Primary Aldosteronism Patients
		Speaker	Masataka	Ikeda	Ferroptosis in Anthracycline-Induced Cardiotoxicity-From Mechanistic Insights to a Novel Preventive Strategy-
		Speaker	Tomofumi	Misaka	Clonal hematopoiesis and cardiovascular disease: pathological role of JAK2 mutations in Onco-Cardiology
		Speaker	Kazuko	Tajiri	A Pilot Study Exploring Autoantibody Signatures in Patients with Immune Checkpoint Inhibitor-Induced Myocarditis
		Speaker	Yoshihide	Nakamura	Ryanodine Receptor as a Pharmacological Target to Prevent Doxorubicin-induced Cardiomyopathy
		Speaker	Toru	Oka	Onco-Cardiology/Cardio-Oncology as a novel platform of cardiovascular research