

# ISHR-SEA 2026 Program Schedule

<https://sites.google.com/ukm.edu.my/ishrsea2026>

**Venue:** Ebony, Maple, Oak Hall, Komune Living & Wellness

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<https://cheras.komuneliving.com/>

**Location:** No.21, Jalan Tasik Permaisuri 2



Bandar Tun Razak,

56000 Kuala Lumpur, Malaysia

Time	Program Details
<b>DAY 1 – 28<sup>th</sup> April 2026 (Tuesday)</b>	
07:30 – 08:25	Registration and poster set-up
08:30- 08:40	Doa recitation
	<b>Welcome and Introductions</b> <b>Kamisah Yusof</b> (Chairperson, 2 <sup>nd</sup> ISHR-SEA organising committee)  <b>Presidential Address</b> <b>Patrick Hsieh</b> (President, ISHR-SEA section) <b>Yasuchika Takeishi</b> (President, ISHR Japanese section)
08:40 – 09:10	<b>Keynote Lecture 1</b> Chair: Kamisah Yusof (UKM, Malaysia)  <b>Challenging Risk Prediction of CV with Artificial Intelligence</b> <b>Sazzli Kasim</b> Professor of Medicine/ Director Cardiovascular Advancement and Research Excellence Institute (CARE Institute), UiTM, Malaysia
09:10 – 10:10	<b>Scientific Session 1: Ischemic Heart Disease</b> Chairs: Azizah Ugusman (UKM, Malaysia), Adila Hamid (UKM, Malaysia)
	<ol style="list-style-type: none"><li><b>Single-Cell Multi-Omics Analysis Unveils a Distinct Mechanism of Exercise-Mediated Cardioprotection in Ischemic Cardiomyopathy</b> Toshiyuki Ko (The University of Tokyo, Japan)</li><li><b>Adipokine in Acute Myocardial Infarction</b> Mas Rizky A. A. Syamsunarno (Universitas Padjajaran, Indonesia)</li><li><b>Macrophage Polarization during Fibrotic Disease</b> Jacques Behmoaras (DUKE-NUS, Singapore)</li></ol>
10:10 –10:30	<b>Tea Break and poster viewing</b>
10:30 – 12:00	<b>Young Investigator Award Session</b>  <b>Judging panel:</b> Elena Aisha Azizan (Chair, UKM, Malaysia), Roger Foo (NUS Medicine, Singapore), Patrick Hsieh (Institute of Biomedical Sciences, Taiwan), Nipon Chattipakorn (Chiang Mai University, Thailand), Yin Hua Zhang (Seoul National University, South Korea), Yasuchika Takeishi (Fukushima Medical University, Japan)



	<ol style="list-style-type: none"> <li>1. <a href="#">Loss of STMP1 perturbs mitochondrial cristae and drives cellular inflammation and heart failure.</a> Francesco Paolo Ruberto (NUS, Singapore)</li> <li>2. <a href="#">Splenectomy Attenuates Cardiac Inflammation and Diastolic Dysfunction in HfpEF</a> Hong Jie Tan (Duke-NUS, Singapore)</li> <li>3. <a href="#">Identifying Novel Drivers of Cardiac Lineage Specification and Cardiomyocyte Maturation using Paired Short/Long-Read scRNA-seq</a> Ryan Fan (NUS Medicine, Singapore)</li> <li>4. <a href="#">A Translational Mouse Model of Spontaneous Atrial Fibrillation for Therapeutic Development</a> Nur Syakirah Othman (National Cerebral and Cardiovascular Center, Japan)</li> <li>5. <a href="#">Association Between Insulin Resistance and Atrial Fibrillation: Insights from Real-World and Genetic Evidence</a> Xiao Liu (Sun Yat-sen Memorial Hospital of Sun Yat-sen University, Guangzhou, China)</li> <li>6. <a href="#">Resolving the NOS1AP GWAS Signal in Long QT Syndrome Through Isoform-Specific Mechanisms</a> Galvin Tang (NUS,Singapore)</li> </ol>
12:00 – 13:00	<p><b>Mid-Career Open Communication Session</b></p> <p>Chairs: Haojie Yu (NUS-Med,Singapore), Badamkhand Mendsaikhan (Institute of Medical Sciences ,Mongolia)</p> <ol style="list-style-type: none"> <li>1. <a href="#">Exploring Tissue-Engineered Grafts in CABG: Innovations for the Next Generation</a> Nadiyah Sulaiman (UKM, Malaysia)</li> <li>2. <a href="#">Vascular Cellular and Molecular Targets</a> Rijan Gurung (NUS, Singapore)</li> <li>3. <a href="#">Modulation of Vascular Inflammation by <i>Gynura procumbens</i>: in Vivo and in Vitro Studies</a> Norsyahida Mohd Fauzi (UKM, Malaysia)</li> <li>4. <a href="#">Role of endoplasmic reticulum and mitochondrial contact sites in cardiac fibrosis</a> Jin O-Uchi (University of South Florida,USA)</li> </ol>
13:00 – 14:15	<p><b>Lunch Poster Viewing</b></p>
14:15 – 15:35	<p><b>Scientific Session 2: Heart Failure</b></p> <p>Chairs: Bambang Widyanoro (UniversitasIndonesia), Poungrat Pakdeechote (Khon Kaen University, Thailand)</p> <ol style="list-style-type: none"> <li>1. <a href="#">Discovery of Novel Therapeutic Targets for Heart Failure Using Human Stem Cell–Derived Cardiomyocytes</a> Tomoya Kitani (Kyoto Prefectural University of Medicine, Japan)</li> <li>2. <a href="#">Non-canonical Effects of Low-Dose Myosin Inhibitor Mavacamten to Facilitate the Relaxation of Myofibrils from the HFpEF Heart</a> Alvin Yin (Duke-NUS, Singapore)</li> <li>3. <a href="#">Atrial Remodelling and AF Susceptibility in Mouse Models of Hypertrophic Cardiomyopathy</a> Lim Wei Wen (NHCS, Singapore)</li> <li>4. <a href="#">Circulating Profiling and Nanoparticle Delivery of miRNAs Targeting Heart Failure</a> Diem My Vu (University of Medicine and Pharmacy, Vietnam)</li> </ol>
15:35 – 15:50	<p><b>ISHR-SEA Annual General Meeting</b></p> <p>Patrick Hsieh (President ISHR-SEA) Derek Hausenloy (Secretary ISHR-SEA) Haojie Yu (Treasurer ISHR-SEA)</p>
15:50 –16:10	<p><b>Tea Break and Poster Viewing</b></p>

16:10 – 16:40	<p><b>Keynote Lecture 2</b></p> <p>Chair: Yin Hua Zhang (Seoul National University, South Korea)</p> <p><b>Cereblon–TRPC1 Axis Drives ER Stress and Fibrosis in Diabetic Cardiomyopathy through Calcium Signaling Dysfunction</b></p> <p><b>Jin Han</b> Inje University College of Medicine South Korea</p> 
16:40 – 18:00	<p><b>Scientific Session 3: Vascular Biology</b></p> <p> <b>JMCC</b> JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY</p> <p><b>Supported by</b></p> <p>Special Issue: Microvessel in the heart Chairs: Wulan Anggrahini (Universitas Gadjah Mada, Indonesia), Yibin WANG (Duke-NUS, Singapore)</p> <ol style="list-style-type: none"> <li>1. <b>Targeting Angiogenesis with Navitoclax: Insights from HUVECs toward Stabilizing Atherosclerotic Plaques</b> Nur Najmi Mohamad Anuar (UKM, Malaysia)</li> <li>2. <b>Phosphatidylserine Role in Atherosclerosis</b> Elisa Liehn (National Heart Centre Singapore)</li> <li>3. <b>The Role of NALCN in Vascular Function and Hypertension</b> Young Ming Bae (Konkuk University, South Korea)</li> <li>4. <b>Endothelial C-type Natriuretic Peptide / Guanylyl Cyclase-B Signaling in Pulmonary Vascular Remodeling</b> Koichiro Kuwahara (Shinshu University, Japan)</li> </ol>
18:00 – 19:00	<p><b>Moderated Poster Session (Judging session)</b></p>
19:00 – 21:00	<p><b>Gala Dinner</b></p>

**DAY 2 – 29<sup>th</sup> April 2026 (Wednesday)**

<p>08:30 – 09:00</p>	<p><b>Keynote Lecture 3</b></p> <p>Chair: Yibin Wang (DUKE-NUS, Singapore)</p> <p><a href="#">Contribution of Insulin Resistance and Mitochondrial Dysfunction to Heart Failure in Diabetes</a>  <b>E. Dale Abel</b>                  William S. Adams Distinguished Professor                  University of California, Los Angeles, USA</p> 
<p>09:00 – 10:20</p>	<p><b>Scientific Session 4: Genetics in Cardiovascular Research</b></p> <p>Chairs: Siti Hamimah Sheikh Abdul Kadir (UITM, Malaysia), Mohd Kaisan Mahadi (UKM, Malaysia)</p> <ol style="list-style-type: none"> <li><a href="#">Cardiomyopathy-associated Genetic Variants</a> Boon Pin Kee (UM, Malaysia)</li> <li><a href="#">Chromatin Regulatory Mechanisms in Heart Disease</a> Cheng-Fu Kao (Institute of Cellular and Organismic Biology, Academia Sinica, Taiwan)</li> <li><a href="#">Genetic Variants Influence in Cardiovascular Disease</a> Ye Shu (National University of Singapore)</li> <li><a href="#">Semaphorin-Plexin-Neuropilin Signaling in Left Ventricular Non-compaction</a> Manvendra Singh (DUKE-NUS, Singapore)</li> </ol>
<p>10:20 – 10:40</p>	<p><b>Tea Break and Poster Viewing</b></p>
<p>10:40 – 12:00</p>	<p><b>ISHR-SEA Early Career Investigator Rapid Fire Session</b></p> <p>Chairs: Mick LEE (ISHR-SEA ECI rep, Singapore), Yuan Yuan CHENG (ISHR-SEA ECI rep, Taiwan), Diem My Vu (ISHR-SEA ECI rep, Vietnam)</p> <ol style="list-style-type: none"> <li><a href="#">The IL-33/ST2 Axis Mediates Macrophage-Driven Inflammation in the Progression of HfpEF</a> Jinyun Zhu (Duke-NUS, Singapore)</li> <li><a href="#">Personalised Arterial-Wall-on-a-Chip Reveals Paracrine Crosstalk Between Diabetic Endothelial and Vascular Smooth Muscle Cells Driving Early Atherogenesis</a> Chun-Yi Ng (Nanyang Technological University, Singapore)</li> <li><a href="#">Intrinsic Cardiac Ketogenesis Maintains Mitochondrial Function</a> Yi-Chan Lee (Institute of Biomedical Sciences, Taiwan)</li> <li><a href="#">Electroacupuncture at ST36 improves doxorubicin-induced chronic heart failure via modulating the vagus-macrophage axis</a> Yanqiu Lai (Chongqing Medical University, China)</li> <li><a href="#">Sappanwood (Caesalpinia sappan L.) Attenuates Iron-Overload Induced Cardiac Ferroptosis in Animal Model</a> Tanendri Arrizqiyani (Universitas Padjadjaran, Indonesia)</li> <li><a href="#">Population-Based Analysis of Coronary Artery Disease-Associated SNPs in Malaysian Cohort Compared to ALFA Global Reference Populations</a> Nusaibah Sullehuddin (UiTM, Malaysia)</li> <li><a href="#">Differential Effects of Aldosterone Synthase Inhibition on Adrenal Zona Glomerulosa Remodeling and Cardiac Cellular Turnover in Spontaneously Hypertensive Rats</a> Ammani Aminuddin (UKM, Malaysia)</li> <li><a href="#">The Serine Synthesis Pathway Activation In Early Compensatory Cardiac Hypertrophy</a> Nurul Gusti Khatimah (Universitas Indonesia)</li> <li><a href="#">Prevalence of 22q11 chromosome deletion and immunological status of Vietnamese patients with Tetralogy of Fallot</a> Phuong Anh Huynh (University of Medicine and Pharmacy, Vietnam)</li> <li><a href="#">Endothelial and metabolic dysfunction in Mongolian patients with chronic coronary artery disease</a> Anudari Ichinkhorloo (Institute of Medical Sciences of Mongolia, Mongolia)</li> </ol>
<p>12:00 – 13:00</p>	<p><b>Early-Career Open Communication Session</b></p>

	<p>Chairs: Satirah Zainalabidin (UKM, Malaysia), Rahayu Zulkapli (UiTM, Malaysia)</p> <ol style="list-style-type: none"> <li>1. <a href="#">Bats as Novel Animal Models for Cardiovascular Research</a> Yu Fan (DUKE-NUS, Singapore)</li> <li>2. <a href="#">SGLT2 Inhibitor: A Novel Cardioprotective Intervention Against Post-Myocardial Infarction in Rats Through Suppression of Myocardial Apoptosis and Mitochondrial Dysfunction</a> Chayadom Maneechote (Chiang Mai University, Thailand)</li> <li>3. <a href="#">Inhibition of Pyroptosis and Apoptosis, but not Ferroptosis, Reduces Cardiac Dysfunction in Prediabetic Rats via Attenuating Mitochondrial Dysfunction, Independent of Metabolic Alterations</a> Nattayaporn Apaijai (Chiang Mai University, Thailand)</li> <li>4. <a href="#">Cardiac Valve Development</a> Yen-Chun Ho (IBMS, Academia Sinica, Taiwan)</li> <li>5. <a href="#">Targeting BCKDK to Restore Metabolic Flexibility in Diabetic Heart Failure: Evidence from Patient-derived iPSC Cardiomyocytes</a> Shuo Cong (DUKE-NUS, Singapore)</li> <li>6. <a href="#">Therapeutic Potential of PDE5 Inhibition in Cardiac Hypertrophy via Akt Signalling</a> Nik Aloesnisa Binti Nik Mohd Alwi (USM, Malaysia)</li> </ol>
13:00 – 14:00	<p><b>Lunch and Sponsor Talk 3 &amp; 4 Poster Viewing</b></p>
14:00 – 15:20	<p><b>Scientific Session 5: Regenerative Medicine</b></p> <p>Chairs: Derek Hausenloy (NHCS, Singapore), Muhammad Da'in Yazid (UKM, Malaysia)</p> <ol style="list-style-type: none"> <li>1. <a href="#">Cardiovascular Tissue Engineering</a> David Lundy (Taipei Medical University, Taiwan)</li> <li>2. <a href="#">Heart Regeneration in Zebrafish</a> Ben Lai (IBMS, Academia Sinica, Taiwan)</li> <li>3. <a href="#">Artificial Pacemaker Cell Engineering</a> Yu-Feng Hu (Taipei Veteran General Hospital, Taiwan)</li> <li>4. <a href="#">Direct Cardiac Reprogramming as a Novel Strategy for Heart Failure Treatment</a> Taketaro Sadahiro (Keio University, Japan)</li> </ol>
15:20 – 15:40	<p><b>Tea Break and Poster Viewing</b></p>
15:40 – 17:00	<p><b>Scientific Session 6: Cardiometabolic Syndrome</b></p> <p><b>Supported</b>  <b>JMCC</b> JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY</p> <p>Special Issue JMCC : The Diabetic Heart: Mechanistic Insights Underlying its Phenotype, and Emerging Therapeutic Targets to Limit Diabetic Cardiomyopathy</p> <p>Chairs: Patrick Hsieh (Institute of Biomedical Sciences, Taiwan), Roger Foo (NUS Medicine, Singapore)</p> <ol style="list-style-type: none"> <li>1. <a href="#">Acetyl-CoA Synthetase 2 Buffers Cytosolic Acetyl-CoA to Sustain Mitochondrial Function in Stressed Myocardium</a> Shunsuke Miura (Fukushima Medical University, Japan)</li> <li>2. <a href="#">Ca<sup>2+</sup> Homeostasis in Pancreatic Beta-cells and Adipocytes</a> Dae-Kyu Song (Keimyung University College of Medicine, South Korea)</li> <li>3. <a href="#">Targeting Age-related Mechanisms in Cardiovascular-metabolic Disorders</a> Ipppei Shimizu (National Cerebral and Cardiovascular Center, Japan)</li> <li>4. <a href="#">Senotherapy as a Novel Strategy for Metabolic Disorders</a> So-Young Park (Yeungnam University College of Medicine, South Korea)</li> </ol>
17:00 – 18:00	<p><b>Closing/Prize Giving Ceremony</b></p>

