

ISHR-ES 2026 Full Programme

Monday 22 June 2026

Time	Session/Location
07:00 - 09:00	ES-ISHR Council Meeting - Room 202
08:30 - 09:00	Registration and Refreshments - Foyers of Teaching and Learning Building
09:00 - 10:30	<p>ECI Flash Talks (JMCC sponsored) - Lecture Theatre 1 (3 minutes each)</p> <p>FT1 - Yannik Andrasch, Heidelberg University, Germany Immune-myocardial crosstalk in cardiomyocyte polyploidization</p> <p>FT2 - Rebecca Gilchrist, University of Glasgow, UK Rad as a target for novel cardiac inotropes: effects of Rad knockdown in hiPSC-derived cardiomyocytes and development of a BRET-based drug screen</p> <p>FT3 - Angeliki Choustoulaki, National And Kapodistrian University Of Athens, Greece Chronic exposure to wild type and mutant transthyretin induces cardiotoxicity in primary murine cardiomyocytes via downregulation of OXPHOS complexes</p> <p>FT4 - Angeline Geiser, Université Catholique De Louvain, Belgium The Myo-Inositol/SMIT1 Axis as a Key Regulator of Heart Failure and Cardiac Fibrosis</p> <p>FT5 - Jack Antoine Gemayel, Saint Joseph University Of Beirut, Lebanon Intracardiac Ganglia, a Specialized Niche for Cardiac Telocytes: Targeted Isolation and Functional Calcium Signaling Characterization</p> <p>FT6 - Maxime Gouin-Gravezat, Avignon University, France Mitochondrial NO signalling, a key regulator of cardiac response to adrenergic stress</p>

Time	Session/Location
	<p>FT7 - Zsombor I. Hegedus, Semmelweis University, Hungary Divergent Roles of ICOS and ICOSL in Cardiac Fibrosis and Ventricular Remodelling</p> <p>FT8 - Or Levi, Ben-Gurion University of the Negev, Israel Cardiomyocyte-Specific Disruption of the AKAP6β-RSK3 Signaling Attenuates Implant-Induced Susceptibility to Atrial Fibrillation in Rats</p> <p>FT9 - Merel Lianne Ligtermoet, Amsterdam Umc, Netherlands ZEB2 Overexpression Preserves Cardiac Function in a TPM1-E54K Mouse Model of Genetic Dilated Cardiomyopathy</p> <p>FT10 - Aiste Liutkute, University Medicine Göttingen, Germany Persistent Atrial Fibrillation Is Associated with Proteome Profile Homogenization Between Left and Right Atria</p> <p>FT11 - Molly O'Reilly, Academic Medical Centre, Netherlands (Para)sympathetic nervous system remodeling in CPVT: functional implications for cardiac autonomic regulation</p> <p>FT12 - Jiabin Qin, Umc Amsterdam, Netherlands Unravelling the role and mechanisms of SK4 channels in atrial fibrillation: the immune-cardiac crosstalk</p> <p>FT13 - Katie Tompkins, University of Birmingham, UK Sympathetic Nervous System Dysregulation and Ventricular Arrhythmogenesis in a Progressive Murine Model of Chronic Kidney Disease</p> <p>FT14 - Nuha Yenitirkogullari, Imperial College London, UK Proteoglycan remodelling in human cardiac development</p> <p>FT15 - Sejal Singal, Imperial College London, UK Nav1.5 clustering at the neuro-cardiac junction by an Ankyrin-G-dependent mechanism is required for sympathetic control of cardiomyocytes</p> <p>FT16 - Freddy Ganse, Vall D'hebron Institut of Research, Spain From Nanotherapy to Thermal Conditioning: Novel Approaches to Blunt Air Pollution-Induced Arrhythmias</p> <p>Session Chairs: Jonathan Lambert, <i>University of Padova, Italy</i> Rocco Caliandro, <i>Amsterdam Universities Medical Centers, Netherlands</i></p>

Time	Session/Location
10:30 - 11:00	Refreshment Break
11:00 - 11:40	<p>Young Investigator Session 2.1 - Lecture Theatre 1 ECI/MCI Session 2 Panel Discussion - Moving Research from Bench to Bedside</p> <p>Expert Scientists: Roger Foo, <i>National University of Singapore, Singapore</i> Frank Lezoualc'h, <i>University of Toulouse, France</i> Eva van Rooij, <i>Hubrecht Institute, Netherlands</i> Sveva Bollini, <i>University of Genova, Italy</i> Christoph Maack, <i>University Hospital Würzburg, Germany</i></p> <p>Session Chairs: Jonathan Lambert, <i>University of Padova, Italy</i> Rocco Caliandro, <i>Amsterdam Universities Medical Centers, Netherlands</i></p>
11:40 - 12:30	<p>Young Investigator Session 2.2 - Lecture Theatre 1, Lecture Theatre 2, 211/212 and G15 Breakout Workshop Sessions - Integrating Translational Science into Career Development</p> <p>Facilitators: Mauro Giacca, <i>King's College London, UK</i> Luc Bertrand, <i>Uclouvain, Belgium</i> John Elrod, <i>Lewis Katz School Of Medicine At Temple University, United States</i> Jolanda van der Velden, <i>Amsterdam Umc, Netherlands</i> Delphine Mika, <i>Inserm U1180, France</i> Monika Gladka, <i>Amsterdam University Medical Centers, Netherlands</i> Melanie Paillard, <i>Inserm - Lyon 1 University, France</i> Alice Marino, <i>Uclouvain, Belgium</i></p> <p>Session Chairs: Jonathan Lambert, <i>University of Padova, Italy</i> Rocco Caliandro, <i>Amsterdam Universities Medical Centers, Netherlands</i></p>
12:30 - 13:30	Lunch

Time	Session/Location		
13:30 - 14:00	<p>Opening Ceremony - Lecture Theatre 1 Prof Adam Tickell (Vice chancellor of University of Birmingham)</p> <p>Session Chairs: Frank Lezoualc'h, <i>University of Toulouse, France</i> Davor Pavlovic, <i>University of Birmingham, UK</i></p>		
14:00 - 15:00	<p>Plenary Session 1 - Lecture Theatre 1 Atrial Fibrillation: Things are not always what they seem</p> <p>Prof Barbara Casadei, <i>Imperial College London, UK</i></p> <p>Session Chair: Frank Lezoualc'h, <i>University of Toulouse, France</i> Davor Pavlovic, <i>University of Birmingham, UK</i></p>		
	Lecture Theatre 1 - Teaching and Learning Building	Lecture Theatre 2 - Teaching and Learning Building	G15 - Muirhead Tower
15:00 - 16:30	<p>Session 1 - Battle of the Metabolites: Should we focus on glucose, fats, or ketones? (JMCC sponsored)</p> <p>Invited Speakers: (20 minutes each)</p> <p>Luc Bertrand, Uclouvain, Belgium Glucose-derived metabolites in heart failure</p> <p>Michael Shattock, King's College London, UK Beyond Glucose: Metabolic substrate provision for a healthy</p>	<p>Session 2 - Inflammation and Immunity in Cardiac Remodelling</p> <p>Invited Speakers: (20 minutes each)</p> <p>Federica Marelli-Berg, Queen Mary University of London, UK T cells in cardiac health and disease</p> <p>Ziad Mallat, University of Cambridge, UK Immune regulation in atherosclerosis</p>	<p>Session 3 - The dynamics of epigenome/transcriptome in cardiac remodelling</p> <p>Invited Speakers: (20 minutes each)</p> <p>Sebastian Preissl, University of Freiburg, Germany Epigenetic mechanisms at single cell resolution</p> <p>Fabio Martelli, IRCCS San Donato Polyclinic, Italy Non-coding RNAs in ischemic</p>

Time	Session/Location		
	<p>heartenergetics, function and stability ex vivo</p> <p>Anna Zoccarato, King's College London, UK Intermediary Metabolism in Cardiac Remodelling</p> <p>Selected Abstracts: (15 minutes each)</p> <p>O1 - Eliano dos Santos, King's College London, UK PGAM2 is a critical metabolic node in heart failure progression</p> <p>O2 - Xi QI, Wageningen University & Research, Netherlands Mitofusin 2 Deficiency Causes Atrial Lipid Accumulation in Experimental and Human Atrial Fibrillation and Diabetes Mellitus</p> <p>Session Chairs: Lisa Heather, <i>University of Oxford, UK</i></p> <p>John Elrod, <i>Lewis Katz School of Medicine at Temple University, United States</i></p>	<p>Gustavo Ramos, University Hospital Wuerzburg, Germany Immune regulation as a therapeutic approach</p> <p>Selected Abstracts: (15 minutes each)</p> <p>O3 - Jack Keane, Queen Mary University of London, United Kingdom The role of tissue resident memory T cells in atrial fibrillation</p> <p>O4 - Ingrid Dumitriu, University of Birmingham, UK Immune remodelling in atrial fibrillation: are alterations in inflammatory T cell subsets the missing link?</p> <p>Session Chairs: Ines Falcao-Pires, <i>University of Porto, Portugal</i></p> <p>Claudo Mauro, <i>University of Birmingham, UK</i></p>	<p>cardiovascular disease</p> <p>Mauro Giacca, King's College London, UK Modulating cardiac cell properties using small noncoding RNAs</p> <p>Selected Abstracts: (15 minutes each)</p> <p>O5 - Manendra Pachauri, King's College London, UK Intramyocardial delivery of microRNA-199a-3p by lipid-polymeric hybrid nanoparticles for cardiac regeneration after acute myocardial infarction</p> <p>O6 - Rebecca Artioli, University of Trieste, Italy Uncovering the Notch-Yap transcriptional axis: a novel AAV-reporter system to map chromatin-level crosstalk in cardiac regeneration</p> <p>Session Chairs: Llew Roderick, <i>KU Leuven, Belgium</i></p> <p>Miron Sopic, <i>University of Belgrade, Serbia</i></p>
16:30 - 18:00	Refreshments and Poster Session 1- (Room 118/119)		

Time	Session/Location		
17:00 - 18:00	<p>IMAGINE+ networking event - Lecture Theatre 2</p> <p>James Guggenheim, <i>University of Birmingham, UK</i> Dean Kavanagh, <i>University of Birmingham, UK</i> Steve Thomas, <i>University of Birmingham, UK</i></p>		
	<p>Lecture Theatre 1 - Teaching and Learning Building</p>	<p>Lecture Theatre 2 - Teaching and Learning Building</p>	<p>G15 - Muirhead Tower</p>
18:00 - 19:30	<p>Session 4 - AZ sponsored session - Cardiovascular, Renal and Metabolic diseases at crossroads</p> <p>Invited Speakers: (20 minutes each)</p> <p>Rebecca Ritchie, Monash University, Australia Sex-Specific Impact of Incretin Dual Agonist Tirzepatide on Cardiac and Metabolic Health</p> <p>Elise Kessler, Astrazeneca, Sweden Industry Perspective on Implementation of Human Advanced Cell Models in Cardiovascular Drug Discovery</p> <p>Charles Ferro, Univeristy of Birmingham, UK Cardio-Renal-Metabolic Syndrome: the European renal perspective</p>	<p>Session 5 - Cardiac Regeneration: Lessons from development and beyond</p> <p>Invited Speakers: (20 minutes each)</p> <p>Filipa Simoes, University of Oxford, UK Role of macrophages in cardiac regeneration</p> <p>Stephane Zaffran, Aix Marseille Université, Inserm, France (De)constructing the human heart: single-cell/nucleus insights</p> <p>Monika Gladka, University Medical Center Amsterdam, The Netherlands Translational Cardiac Disease Modeling for Cardioprotective Gene Therapy Development</p>	<p>Session 6 - Preventing cancer-derived cardiotoxicity</p> <p>Invited Speakers: (20 minutes each)</p> <p>Markus Anker, University Medicine Berlin, Germany HFpEF in cancer patients – mechanistic insights and therapy</p> <p>Zoltán V. Varga, Semmelweis University, Hungary Effect of immune checkpoint inhibitors on cardiac function</p> <p>Alessandra Ghigo, University of Torino, Italy Adjuvant cardiotherapy: SGLT2i, GLP1R agonists and beyond</p>

Time	Session/Location		
	<p>Selected Abstracts: (15 minutes each)</p> <p>07 - Lukas Emanuel Schmidt, Medical University of Vienna, Austria Proteomic Effects of Genetic and Therapeutic PCSK9 Inhibition</p> <p>08 - Milena Bellin, Leiden University Medical Center, The Netherlands In Vitro Modelling of Renal Injury-Induced Cardiac Dysfunction Using hiPSC-Derived Kidney Organoids and Cardiac Microtissues</p> <p>Session Chairs: Elise Kessler, <i>Astrazeneca, Sweden</i></p> <p>Thomas Eschenhagen, <i>University Medical Center Hamburg Eppendorf, Germany</i></p>	<p>Selected Abstracts: (15 minutes each)</p> <p>09 - Matteo Riccio, University of Trieste and ICGB, Trieste, Italy Regulation of cardiomyocyte proliferation by tropomyosin-dependent sarcomeric structure</p> <p>010 - Ilaria Luciana Carlotta Del Giudice, ICGB, Trieste, Italy Age-Dependent Lumican Remodelling Limits Cardiac Angiogenesis After Birth</p> <p>Session Chairs: Sveva Bollini, <i>University of Genova, Italy</i></p> <p>Mauro Giacca, <i>King's College London, UK</i></p>	<p>Selected Abstracts: (15 minutes each)</p> <p>011 - Giulia Guerra, University of Turin, Italy Hemopexin mitigates doxorubicin cardiotoxicity by preserving cardiac metabolism while maintaining antitumor efficacy in a mouse model of breast cancer</p> <p>012 - Marton Kocsis Semmelweis University, Hungary Active Thymic Output Drives Immune Checkpoint Inhibitor-Associated Cardiotoxicity</p> <p>Session Chairs: Jolanda van der Velden, <i>Amsterdam University Medical Center, Netherlands</i></p> <p>Gabriele Tocchetti, <i>Federico II University Hospital, Italy</i></p>
19:30 - 20:30	Drinks Reception with Nibbles - Teaching and Learning Building Foyers		

Tuesday 23 June 2026

Time	Session/Location		
07:00 - 09:00	ES-ISHR Council Meeting - Room 202		
08:00 - 09:00	Registration and Refreshments - Foyers of Teaching and Learning Building		
09:00 – 10:00	<p>Plenary session 2 - Lecture Theatre 1 Gianluigi Condorelli (Humanitas University, Italy) Ketty Schwartz Award Lecture</p> <p>Session Chair: Frank Lezoualch, <i>University of Toulouse, France</i></p>		
	Lecture Theatre 1 - Teaching and Learning Building	Lecture Theatre 2 - Teaching and Learning Building	G15 - Muirhead Tower
10:30 - 12:00	<p>Session 7 - Determinants of the Interorgan Crosstalk</p> <p>Invited Speakers: (20 minutes each)</p> <p>Carolina Greco, Humanitas University, Italy Circadian mechanisms</p> <p>Roger Foo, National University of Singapore, Singapore Cardiovascular, Kidney, Liver, and Metabolic Interactions in Heart Failure: Breaking Down Silos</p>	<p>Session 8 - From Epigenetics to Precision Targets</p> <p>Invited Speakers: (20 minutes each)</p> <p>Ralf Gilsbach, University of Heidelberg, Germany Functional interpretation and modulation of cardiac regulatory elements</p> <p>Susana Pereira, Universidade de Coimbra, Portugal Maternal Programming of Offspring Cardiovascular Function</p>	<p>Session 9 - Proteostasis in Heart Failure</p> <p>Invited Speakers: (20 minutes each)</p> <p>Zhao Wang, City of Hope National Medical Center, USA Role of protein turnover in heart failure</p> <p>Izhak Kehat, Technion-Israel institute of technology, Israel Subcellular protein translation in HF</p>

Time	Session/Location		
	<p>Genevieve Derumeaux, University of Paris Est-Creteil, France Aging at the Crossroads of Organ Interactions: Implications for the Heart</p> <p>Selected Abstracts: (15 minutes each)</p> <p>013 - Abbie Hayes, University of Birmingham, UK Renal dysfunction induces early atrial electrophysiological remodelling independent of hypertension and ventricular structural disease: partial reversal by SGLT2 inhibition</p> <p>014 - Tania Zaglia, University of Padua, Italy Neonatal Sympathetic Denervation Prevents Disease Manifestation in Desmoglein-2-linked Arrhythmogenic Cardiomyopathy</p> <p>Session Chairs: Melanie Paillard, <i>University Claude Bernard Lyon 1, France</i></p> <p>Gabriele Schiattarella, <i>Charite University Hospital, Berlin, Germany</i></p>	<p>Llew Roderick, KULeuven, Belgium Epigenetics in heart failure</p> <p>Selected Abstracts: (15 minutes each)</p> <p>015 - Azra Husetić, University of Amsterdam, The Netherlands Exploring the Role of Calcineurin in in-Cardiomyocyte Cell Cycle Re-entry for Post-injury Regeneration</p> <p>016 - Parul Gupta, University Hospital Heidelberg, Germany Zeb1-Dependent Transcriptional Programs Underlie Female-Biased Cardiac Dysfunction</p> <p>Session Chairs: Monika Gladka, <i>University Medical Center Amsterdam, The Netherlands</i></p> <p>Mauro Giacca, <i>King's College London, UK</i></p>	<p>Mirko Völkers, University Hospital Heidelberg, Germany Protein translation control</p> <p>Selected Abstracts: (15 minutes each)</p> <p>017 - Maya Nouredine, University of Birmingham, UK Mechanistic insights into an α-actinin-2 variant: Linking functional impairment to biophysical alterations in hypertrophic cardiomyopathy</p> <p>018 - Niels Pietsch University Medical Center Hamburg, Germany Microtubule de-/tyrosination status regulates hiPSC-cardiomyocyte proliferation, autophagy, and hypertrophy</p> <p>Session Chairs: Manuel Mayr, <i>Imperial College, London, UK</i></p> <p>Lucie Carrier, <i>University Medical Center Hamburg-Eppendorf, Germany</i></p>
12:00 - 13:30	Lunch and Poster Session 2 - (Room 118/119)		

Time	Session/Location		
	Lecture Theatre 1 - Teaching and Learning Building	Lecture Theatre 2 - Teaching and Learning Building	G15 - Muirhead Tower
13:30 – 15:00	<p>Session 10 - Scintica Sponsored Session - Imaging Across Scales in Cardiovascular Research</p> <p>Introduction to Scintica (5 minutes)</p> <p>Invited Speakers: (20 minutes each)</p> <p>Mona Malek Mohammadi, University Hospital Bonn, Germany New frontiers in cardiac regeneration</p> <p>Juma el-Awaisi, University of Birmingham, UK Imaging the beating heart: Real-time visualisation of microvascular thrombo-inflammation</p> <p>Richard Southworth, King's College London, UK Development and application of novel imaging tools capable of non-invasive detection of tissue hypoxia and mitochondrial injury</p>	<p>Session 11 - Inter-organ Crosstalk in Cardiometabolic Diseases</p> <p>Invited Speakers: (20 minutes each)</p> <p>David Paterson, University of Oxford, UK Neural mediators in cardiovascular disease</p> <p>Alexandre Paccalet, University of Lyon, France Bone marrow niche and the heart</p> <p>Ulrich Kintscher, Charite Universitätsmedizin Berlin, Germany Adipose tissue-heart crosstalk</p>	<p>Session 12 - Hot Topics in HFpEF</p> <p>Invited Speakers: (20 minutes each)</p> <p>Christophe Beauloye, UCLouvain, Belgium Cardiac and plasma metabolic signatures in HFpEF</p> <p>Francesco Paneni, University of Zurich and Zurich University Hospital, Switzerland Epigenetics in cardiometabolic diseases</p> <p>Gabriele Schiattarella, German Heart Center of the Charité, Germany HFpEF and MASLD: Converging Mechanisms and Clinical Implications</p>

Time	Session/Location		
	<p>Selected Abstracts: (15 minutes each)</p> <p>O19 - Jake Burke, Imperial College London, London, UK L-type calcium channel regulation by β2AR in a co-culture model of innervated cardiomyocytes</p> <p>O20 - Sasha Forbes, University of Glasgow, UK Cardiac regenerative cell therapy: An integrative optical approach to investigate early electrical coupling in an isolated rabbit heart</p> <p>Session Chair: Andrew Holmes, <i>University of Birmingham, UK</i></p> <p>Yann Jamin, <i>Scintica, Canada</i></p>	<p>Selected Abstracts: (15 minutes each)</p> <p>O21 - Lorenza Koppers, Imperial College London, London, United Kingdom Investigating the effect of cardiac macrophages on contractility in human donor and failing living myocardial slices</p> <p>O22 - Meg Potter, Heidelberg University Clinic, Germany Adipose based interorgan communication in the context of obesity, myocardial infarction and cardiac remodelling</p> <p>Session Chairs: Rebecca Ritchie, <i>Monash University, Australia</i></p> <p>Alice Marino, <i>UCLouvain, Belgium</i></p>	<p>Selected Abstracts: (15 minutes each)</p> <p>O23 - Miguel Mano, University of Coimbra, Portugal MicroRNA-mediated control of cardiac fibrosis: unraveling key regulators and mechanisms through functional genomics screenings</p> <p>O24 - Bernadin Ndongson Dongmo, Oslo University Hospital, Norway Gene therapy with Phosphodiesterase 2A overexpression prevents atrial fibrillation and conduction dysfunction independently of diastolic dysfunction in a mouse HFpEF model</p> <p>Session Chairs: Nazha Hamdani, <i>Ruhr University Bochum, Germany</i></p> <p>Simon Sedej, <i>Medical University of Graz, Austria</i></p>
15:00 - 16:30	Refreshment Break and Poster Session 3 - (M208/M209)		

Time	Session/Location		
	Lecture Theatre 1 - Teaching and Learning Building	Lecture Theatre 2 - Teaching and Learning Building	G15 - Muirhead Tower
16:30 - 18:00	<p>Session 13 - Multimodal Approaches to Explore Cardiac Diseases</p> <p>Invited Speakers: (20 minutes each)</p> <p>Ming Lei, University of Oxford, UK Targetting Pak-1 as a new therapy for cardiac disease</p> <p>Alicia Lundby, University of Copenhagen, Denmark Unraveling cardiac arrhythmias through proteomics</p> <p>Javier Barallobre-Barreiro, Imperial College London, UK Omics to decipher molecular heterogeneity in HF</p> <p>Selected Abstracts: (15 minutes each)</p> <p>O25 - Emma Zanella, University of Padova, Italy Multicellular human cardiac microtissues to uncover disease mechanisms and therapeutic rescue in arrhythmogenic cardiomyopathy</p>	<p>Session 14 - Vascular Integrity and Dysfunction in Heart Failure</p> <p>Invited Speakers: (20 minutes each)</p> <p>Elizabeth Jones, KU Leuven, Belgium Mural cell dysfunction contributes to diastolic heart failure</p> <p>Marie-Ange Renault, UMR Inserm U1034, France Endothelial dysfunction in HFpEF</p> <p>Paola Cattaneo, University of Milan, Italy Discovering novel targets to control cardiac fibrosis</p> <p>Selected Abstracts: (15 minutes each)</p> <p>O27 - Nicoletta Bartoloni, University Of Trieste, Italy Mechanical load controls vascular integrity in the heart</p>	<p>Session 15 - Alteration of Iron Homeostasis and Ferroptosis in Cardiac Disease</p> <p>Invited Speakers: (20 minutes each)</p> <p>Samira Lakhali-Littleton, University of Oxford, UK Alteration of myocardial iron homeostasis in heart failure</p> <p>Frank Lezoualc'h, University of Toulouse, France Epac1, a novel iron metabolic sensor</p> <p>Asa Gustafsson, University of Padova, Italy Cardiac Mitochondria Under Surveillance: ATG9A and Quality Control</p> <p>Selected Abstracts: (15 minutes each)</p> <p>O29 - Ilias Simon, Institute of metabolic and cardiovascular diseases, INSERM, France Impaired lysosomal iron supply to mitochondria drives cardiomyocyte senescence in the aging heart</p>

Time	Session/Location		
	<p>O26 - Alessia Virzi, KUL, Leuven, Belgium Uncovering the molecular and cellular basis of cardiac recovery of the failing heart after mechanical unloading</p> <p>Session Chairs: Yoshihiko Saito, <i>Nara Medi-cal University, Japan</i></p> <p>Monika Gladka, <i>University Medical Center Amsterdam, The Netherlands</i></p>	<p>O28 - Jialu Li, University of Bristol, UK Endothelial heparan sulphate deficiency impairs cardiac function and post-ischemia-reperfusion recovery</p> <p>Session Chairs: Asif Iqbal, <i>University of Birmingham, UK</i></p> <p>Manuel Mayr, <i>Imperial College London, UK</i></p>	<p>O30 - Alejandro Ciocci Pardo, University of Padua, Italy Presenilin-2 Is a key molecule in Cardiac SR-Mitochondria Architecture and Metabolic Homeostasis</p> <p>Session Chairs: Luc Bertrand, <i>Uclouvain, Belgium</i></p> <p>Jonathan Lambert, <i>University of Padova, Italy</i></p>
From 19:00	Conference Gala Dinner - Council House, Birmingham City Centre		

Wednesday 24 June 2026

Time	Session/Location
08:00 - 09:00	ISHR-INT Council Meeting - Room 202
08:00 - 09:00	Registration and Refreshments - Foyers of Teaching and Learning Building
09:00 - 09:55	Plenary Session 3 - Lecture Theatre 1 Keith Reimer Lecture Professor Mike Murphy, <i>University of Cambridge, UK</i>
09:55 - 10:00	2026 Distinguished Leader Award Professor Thomas Eschenhagen, <i>University Medical Center Hamburg Eppendorf, Germany</i>
10:00 - 10:30	ISHR General Assembly - Lecture Theatre 1
10:30 - 11:00	Refreshment Break - Foyers of Teaching and Learning Building

Time	Session/Location		
	Lecture Theatre 1 - Teaching and Learning Building	Lecture Theatre 2 - Teaching and Learning Building	G15 - Muirhead Tower
11:00 – 12:30	<p>Session 16 Pathophysiological and Molecular Mechanisms of Cardiac Aging</p> <p>Invited Speakers: (20 minutes each)</p> <p>Ippei Shimizu, National Cerebral and Cardiovascular Center, Japan Ageing and senescence what is the difference?</p> <p>Yohan Santin, Monzino Cardiology Center, Italy Lysosomal alkanylisation: a new driver of cardiomyocyte senescence</p> <p>Jeanne Mialet-Perez, Mitolab, Inserm1083-cnrs6015, France Mitochondrial dynamics in cardiac aging</p> <p>Selected Abstracts: (15 minutes each)</p> <p>031 - Ezechiel Agbegbo, I2MC, University of Toulouse, INSERM, UMR-1297, France</p>	<p>Session 17 Mitochondria in Cardiovascular Disease</p> <p>Invited Speakers: (20 minutes each)</p> <p>John Elrod, Lewis Katz School Of Medicine At Temple University, United States Discovery of an Integrated Signaling System Regulating Ca²⁺-Dependent Mitochondrial Metabolons</p> <p>Paulus Kirchhof, University Medical Center Hamburg-Eppendorf, Germany Atrial metabolic defects: Genetic predisposition and relation to atrial fibrillation</p> <p>Martina Semenzato, University of Padova, Italy Opa1 in the heart: a role in autophagy</p> <p>Selected Abstracts: (15 minutes each)</p> <p>033 - Tibor Maske, 1HDZ NRW, Bad Oeynhausen, Germany</p>	<p>Session 18 The Vascular side of Heart Failure</p> <p>Invited Speakers: (20 minutes each)</p> <p>Stéphane Germain, College de France, France ANGPTL4, a multifaceted protein at the cross-talk between metabolism and cardiovascular disorders</p> <p>Mairi Brittan, University of Edinburgh, UK Mapping the developing human cardiac endothelium at single-cell resolution</p> <p>Jaap van Buul, Amsterdam Umc, Netherlands Inflammation in the heart: How leukocytes extravasate the circulation</p> <p>Selected Abstracts: (15 minutes each)</p> <p>035 - Manon Restituto, Avignon University, Avignon, France Interplay between O-GlcNAcylation</p>

Time	Session/Location		
	<p>cAMP nuclear signalosome promotes senescence and inflammation during cardiac aging</p> <p>O32 - Jose Sanchez-Alonso, Imperial College London, National Heart & Lung Institute, UK Innervation remodels cardiomyocyte excitation–contraction coupling, ion channel organisation, and protects against senescence-associated dysfunction Session Chairs: Frank Lezoualc'h, <i>University of Toulouse, France</i></p> <p>Serena Zacchigna, <i>International Centre for Genetic Engineering and Biotechnology (ICGEB), Italy</i></p>	<p>Pressure overload-induced mitochondrial oxidative stress impairs cardiac energetics and drives right ventricular failure</p> <p>O34 - Sarah-Lena Puhl, University Clinic Würzburg, Germany Mitochondrial reactive oxygen species determine murine macrophage responses to pressure-overload</p> <p>Session Chairs: Asa Gustafsson, <i>University of Padova, Italy</i></p> <p>Nina Kaludercic, <i>University of Padova, Italy</i></p>	<p>and phosphorylation of endothelial NO synthase: consequences on vascular stress response</p> <p>O36 - Tian Lan, Heidelberg University, Germany Endothelin-1 signaling regulates chamber-specific mouse atrial cardiomyocyte cytokinesis and polyploidy</p> <p>Session Chairs: Ines Falcao-Pires, <i>University of Porto, Portugal</i></p> <p>Niels Voigt, <i>University Medical Center Göttingen, Germany</i></p>
12:30 - 14:00	Lunch and Poster Session 4 - (Room 118/119)		
13:00 - 14:00	<p>Meet the Editors - Lecture Theatre 2</p> <p>David Eisner, <i>University of Manchester, UK (Editor-in-Chief - Journal of General Physiology)</i></p> <p>Gregory Lim, <i>Nature Reviews Cardiology, UK (Chief Editor -Nature Reviews Cardiology)</i></p> <p>Elisa Martini, <i>Nature Cardiovascular Research, Italy (Senior Editor - Nature Cardiovascular Research)</i></p> <p>Davor Pavlovic, <i>University of Birmingham, UK (Editor-in-Chief - JMCC Plus)</i></p> <p>Dario Ummarino, <i>SpringerNature, UK (Senior Editor - Communications Biology)</i></p>		

Time	Session/Location		
	Lecture Theatre 1 - Teaching and Learning Building	Lecture Theatre 2 - Teaching and Learning Building	G15 - Muirhead Tower
14:00 - 15:30	<p>Session 19 Cardiovascular Impact of New Antidiabetic Drugs: Mechanisms and Clinical Translation</p> <p>Invited Speakers: (20 minutes each)</p> <p>Viktória E Tóth, Semmelweis University, Hungary GLP-1 from bench to bedside</p> <p>Panagiota Efstathia Nikolaou, National and Kapodistrian University of Athens, Greece Cardioprotective Mechanisms of SGLT2 Inhibitors: Beyond Glycaemia</p> <p>David Lefer, Smidt Heart Institute, Cedars Sinai, USA SGLT2i mechanisms of actions in HF</p> <p>Selected Abstracts: (15 minutes each)</p> <p>O37 - Mengnan Wang, University of Amsterdam, Netherlands GLP-1 receptor agonist Semaglutide mitigates disturbed flow-induced</p>	<p>Session 20 Bioengineering and Organoids in Cardiovascular Disease</p> <p>Invited Speakers: (20 minutes each)</p> <p>Katrin Streckfuss-Bömeke, University Clinic Würzburg, Germany Optimizing metabolic and electrical maturation in iPSC and cardiac organoids</p> <p>Filipo Perbellini, King's College London, UK Living myocardial slices as Heart Disease Model</p> <p>Serena Zacchigna, ICGEB and University of Trieste, Italy Mechanical load as a disease-modifying signal: insights from engineered heart tissues</p> <p>Selected Abstracts: (15 minutes each)</p> <p>O39 - Camilla Olianti, King's College London, UK Morpho-functional characterization of RNAi-induced cardiac regeneration</p>	<p>Session 21 Ca Channel Chit Chat in CM Pathophysiology</p> <p>Invited Speakers: (20 minutes each)</p> <p>Christian Soeller, University of Bern, Switzerland Ryr clustering and calcium microdomains - analysed by minflux super resolution microscopy</p> <p>Leonardo Sacconi, Institute of Clinical Physiology (IFC) - CNR, Italy Cardiac Fibrosis and Arrhythmias</p> <p>Cristina Molina, University Medical Center Hamburg-Eppendorf, Germany Neuronal regulation of Ca²⁺ release in human myocytes <i>via</i> cAMP signalling</p> <p>Selected Abstracts: (15 minutes each)</p> <p>O41 - Shuai Luo, Inserm U1180, Orsay, France Pro-Arrhythmic Mechanisms of the RyR2-C2277R Mutation in CPVT Revealed by</p>

Time	Session/Location		
	<p>oxidative stress through NCX inhibition in human coronary artery endothelial cells, independent of GLP-1 receptor</p> <p>O38 - Mert Ozhan, Ege University Faculty of Pharmacy, Turkey Modulatory Effects of Empagliflozin on Endogenous Hydrogen Sulfide Production in a Rat Model of Diabetic Cardiomyopathy</p> <p>Session Chairs: Christoph Maack, <i>University Clinic Würzburg, Germany</i></p> <p>Dunja Aksentijevic, <i>Queen Mary University London, UK</i></p>	<p>O40 - Federica D'Ettorre, University of Padua, Italy Patient-specific iPSC-derived cardiac microtissues capture early molecular and cellular changes in Friedreich's Ataxia cardiomyopathy</p> <p>Session Chairs: Katja Gehmlich, <i>University of Birmingham, UK</i></p> <p>Jean-Sebastian Hulot, <i>Paris Cardiovascular Research Center, France</i></p>	<p>Patient-Derived iPSC-Cardiomyocytes</p> <p>O42 - Funsho Emmanuel Fakuade, Georg-August University Göttingen, Germany Increased intracellular calcium buffering promotes atrial arrhythmogenesis in heart failure with reduced ejection fraction</p> <p>Session Chairs: Delphine Mika, <i>University of Paris-Sud 11 UMR-S 1180, France</i></p> <p>Ana-Maria Gomez, <i>University of Paris-Sud 11 UMR-S 1180, France</i></p>
15:30 - 16:00	Refreshment Break - Foyers of Teaching and Learning Building		

Thursday 25 June 2025

Time	Session/Location
08:30 - 09:30	ISHR-INT Council Meeting - Room 202
08:30 - 09:30	Registration and Refreshments - Foyers of Teaching and Learning Building
09:30 - 10:30	<p>Plenary Session 4 - Lecture Theatre 1 ECI Awards Session</p> <p>A1 - Giulio Ciucci, Icggeb, Italy Mechanical Loading Inhibits Tumor Growth in the Heart</p> <p>A2 - Thomas Wright, University College London, UK NLRP3 inhibition reduces myocardial infarction in the context of cardiorenal disease</p> <p>A3 - Sara Rega, Centro Cardiologico Monzino IRCCS, Italy Patient-derived decellularized aortas are a novel advanced 3D in vitro platform for the study of aortopathies</p> <p>A4 - Jonathan Lambert, University of Padova, Italy Defining metabolically dependent protein interactomes of Opa1 in cardiac mitochondria using a novel Opa1-TurboID transgenic mouse model</p> <p>A5 - Ravi Kumar, King's College London, United Kingdom Improving the physiological relevance of hiPSC-CM with human-serum mimetic culture media</p> <p>Session Chairs: Nina Kaludercic, <i>University of Padova, Italy</i> Ines Falcao-Pires, <i>University of Porto, Portugal</i></p> <p>Judging panel: Monika Gladka, <i>University Medical Center Amsterdam, The Netherlands</i> Llewelyn Roderick, <i>KULeuven, Belgium</i> Christoph Maack, <i>University Clinic Würzburg, Germany</i> Sveva Bollini, <i>University of Genova, Italy</i> Manuel Mayr, <i>Imperial College, London, UK</i></p>

Time	Session/Location		
10:30 - 11:00	Refreshment Break - Foyers of Teaching and Learning Building		
	Lecture Theatre 1 - Teaching and Learning Building	Lecture Theatre 2 - Teaching and Learning Building	G15 - Muirhead Tower
11:00 – 12:30	<p>Session 22 - New AI and Tools to Explore Cardiac Diseases (JMCC sponsored session)</p> <p>Invited Speakers: (20 minutes each)</p> <p>Christoph Dieterich, University Hospital Heidelberg, Germany University Hospital Heidelberg, Germany How AI & bioinformatics can help in cardiovascular research</p> <p>Jeff Saucerman, University of Virginia, USA Logic-based machine learning to predict how drugs affect cardiomyocyte hypertrophy</p> <p>Xin Zhou, University of Oxford, UK Computational cardiac imaging and the UK Biobank</p>	<p>Session 23 - Lipids Signalling in Cardiac Metabolism and Cardiac Failure</p> <p>Invited Speakers: (20 minutes each)</p> <p>Frederic Boal, Inserm/UPS UMR 1297, Université de Toulouse, France Phosphoinositides, PIKfyve, lysosomal function and cardiac metabolism</p> <p>Alice Marino, UCLouvain, Belgium Lipid signalling in heart failure: unlocking the role of myo-inositol/SMIT1 axis</p> <p>Claudio Mauro, University of Birmingham, UK Understanding the memory of obesity in the adaptive immune response</p>	<p>Session 24 - Therapeutic Targeting to Enhance Cardioprotection</p> <p>Invited Speakers: (20 minutes each)</p> <p>Ludovic Gomez, Université Claude Bernard Lyon-1, France Serine 663 phosphorylation of SERCA2 in cardiac disease</p> <p>Xiaoqiu Tan, Southwest Medical University, China Targeting pak2 as a novel therapy for cardiac diseases</p> <p>Jolanda van der Velden, Amsterdam University Medical Center, Netherlands Targeting diastolic dysfunction via sarcomeres and microtubuli</p>

Time	Session/Location		
	<p>Selected Abstracts: (15 minutes each)</p> <p>043 - Helen Maddock, Coventry University, UK Predictive Outcome of A Blinded Cardiovascular Pre-clinical Screening Evaluation (In-silico and In-vitro) for Use as a Cardiovascular Safety Triage For Drug Discovery</p> <p>044 - Izzatullo Sobitov, Georg-August University Göttingen, Germany Distinct Functional Signatures in Atrial and Ventricular Human iPSC-derived Cardiomyocytes Revealed by High-Throughput Assays</p> <p>Session Chair: Christopher O'Shea, <i>University of Birmingham</i></p> <p>Larissa Fabritz, <i>University Center of Cardiovascular Sciences UCCS, UHZ, UKE, Germany</i></p>	<p>Selected Abstracts: (15 minutes each)</p> <p>045 - Xin Hu, University of Amsterdam, Netherlands Exogenous lactate/pyruvate reduces the hypertrophic driver aspartate through reducing carbohydrate oxidation and pyruvate carboxylation in the ex vivo heart</p> <p>046 - Kaitlyn Dennis, University of Oxford, UK The influence of dietary fat composition on hepatic fat metabolism: findings from in vivo human and in vitro cellular models</p> <p>Session Chairs: Katja Gehmlich, <i>University of Birmingham, UK</i></p> <p>Christoph Maack, <i>University Hospital Würzburg, Germany</i></p>	<p>Selected Abstracts: (15 minutes each)</p> <p>047 - Ying-Chi Chao, University of Oxford, UK Targeting Troponin I Phosphorylation for Precision Treatment of Diastolic Dysfunction</p> <p>048 - Isotta Chimenti, Sapienza Università Di Roma, Italy Photo-thermal activation–induced killing of gold nanorod–loaded human cardiac fibroblasts</p> <p>Session Chairs: Sean Davidson, <i>University College London, UK</i></p> <p>Jonathan Townend, <i>University of Birmingham, UK</i></p>
12:30 - 13:15	<p>Plenary session 5 - Lecture Theatre 1 ES-Awards - Poster and Young Investigator awards</p>		
13:15 - 14:30	<p>Lunch - Foyers of Teaching and Learning Building</p>		
From 14:30	<p>Departure</p>		