

3rd Olympiad in Cardiovascular Medicine

International Symposium on Experimental & Clinical Cardiology



Organized by:

Masonic Medical Research Institute
Utica, NY, USA

April 30 – May 3, 2026

Elite City Resort
Kalamata, Greece

(Opening Session will be held at the Olympic Academy, Olympia)

Chairs (alphabetically)

Konstantinos Drosatos, PhD & Maria Kontaridis, PhD

Honorary Chair

Litsa Kranias, PhD

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Ioannis Verginadis, University of Pennsylvania, USA
Xander Wehrens, Baylor College of Medicine, USA

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Dimitris Kardassis, PhD, University of Crete, Greece
Antigone Lazou, PhD, Aristotle University of Thessaloniki, Greece
Kimon Stamatelopoulos, University of Athens
Alexandros D. Tselepis, MD, PhD, University of Ioannina, Greece

Day 1: Thursday, April 30, 2026

Trip to Olympia

Departure: 9:00 am – Arrival: 11:00 am

[ROOM]

11:30 – 12:45

From Metabolism to Immunity: New Frontiers in Cardiac Disease Mechanisms

Chairs

Scott Gordon, University of Kentucky, USA

Ioannis Verginadis, University of Pennsylvania, USA

11:30 – Helen Collins, University of Louisville, USA

Metabolic Remodeling in the Female Heart

11:45 – Shanna Hamilton, The University of Arizona, USA

New molecular mechanisms contributing to CPVT arrhythmia syndrome

12:00 – Junco Warren, Virginia Tech at Roanoke, USA

Reprogramming the Heart: AAV-PER1 as a Novel Cardioprotective Therapy

12:15 – Marinos Kallikourdis, Humanitas Research Hospital, Italy

T cells in cardiac disease

12:30 – Ioannis Karakikes, Stanford University, USA

Serine metabolism and Heart Failure

BREAK

13:30 – 15:00

From Lipids to Code: Mechanisms and Models in Cardiac Disease and Repair

Chairs

Nicole Purcell, Huntington Medical Research Institutes, USA

Sarah Schumacher-Bass, Cleveland Clinic, USA

13:30 – Eleni Tseliou, University of Utah, USA

Sphingolipids in Heart Failure and Myocardial Recovery

13:45 – Eirini Marouli, Queen Mary University of London, UK

Decoding disease and biology through the lens of Bioinformatics

14:00 – Davor Pavlovic, University of Birmingham, UK

Early Atrial Remodelling in Preclinical Obesity: Mechanisms and Therapeutic Insights

14:15 – Chase Kessinger, Masonic Medical Research Institute, USA

TBA

14:30 – Simon Kraler, University of Zurich, Switzerland

Acute coronary syndromes: mechanisms, challenges, and new opportunities

14:45 – Glynnis Garry Bann, UT Southwestern, USA

Unlocking Cardiac Potential: The Role of Epigenetic Factors in Cellular Reprogramming

BREAK

<p>15:30 – 16:45</p>	<p>Opening Session Welcoming Remarks Co-chairs of the Organizing Committee Konstantinos Drosatos and Maria Kontaridis</p> <p style="text-align: center;">Introduction in the history of Olympia Eleni Drakaki, American College of Greece</p> <p style="text-align: center;">Keynote Lecture</p> <p>Chairs Maria Kontaridis, Masonic Medical Research Institute, USA Konstantinos Drosatos, University of Cincinnati, USA</p> <p style="text-align: center;">A Change of Heart: From Genetics to New Therapeutics Deepak Srivastava, M.D. President & Robert W. and Linda Mahley Distinguished Professor Gladstone Institutes, University of California San Francisco, USA</p>
<p>17:00</p>	<p><i>FREE TIME: Tour at the Museum and the Ancient Olympia Stadium</i></p>
<p>19:30 – 21:30</p>	<p><i>Opening Dinner/Reception</i></p>
<p>21:30</p>	<p><i>(Bus departure to Kalamata)</i></p>

Day 2: Friday, May 1, 2026

ROOM A		ROOM B	
8:30 – 10:00	<p>Innovations in Cardiac Electrophysiology: Insights from Bench to Bedside</p> <p>Chairs Michael Kelberman, Masonic Medical Research Institute, USA Mary Garry, University of Minnesota, USA</p> <p>8:30 – Xander Wehrens, Baylor College of Medicine, USA New insights into post-operative atrial fibrillation derived from translational studies</p> <p>8:45 – Niels Voigt, UMC Goettingen, Germany Buffer Breakdown: When Ca²⁺ Shock Absorbers Fail in Atrial Fibrillation</p> <p>9:00 – Antonios Pantazis, - Linköping University, Sweden A sodium-driven modality of CPVT</p> <p>9:15 – Stavros Stavrakis, University of Oklahoma, USA The neuroimmune axis as a therapeutic target in arrhythmias</p> <p>9:30 – Stacey Rentschler, WashU St Louis, USA From Cells to Rhythms: How Cardiac Reprogramming Advances Arrhythmia Therapies</p> <p>9:45 – TBA</p>	<p>CUREPLaN: New Insights and Promising Therapeutic Avenues</p> <p>Chairs Francesca Stillitano, University Medical Center Utrecht, Netherlands Mark Mercola, Stanford University, USA</p> <p>8:30 – Litsa Kranias, University of Cincinnati, USA Approaching the 50th Birthday of PLN: From Its Discovery to Translation</p> <p>8:45 – Pieter Doevendans, University Medical Center Utrecht, Netherlands The Cardiologist’s Insights into Phospholambanopathies</p> <p>9:00 – Peter Glijnis, PLN Foundation, Netherlands The Patient’s View of PLN Disease and New Therapeutic Horizons</p> <p>9:15 – Roger Hajjar, Mass General Brigham, USA Recent Breakthroughs in Genetic Therapies and Associated Challenges</p>	
BREAK			
ROOM A		ROOM B	
10:15 – 11:45	<p>Molecular Drivers of Cardiac Remodeling: From Stress Signaling to Therapeutic Targets</p> <p>Chairs Joan Heller-Brown, University of California San Diego, USA TBA</p> <p>10:15 – John Elrod, Temple University, USA Calcium as an architect of mitochondrial metabolism</p> <p>10:30 – Cat Makarewich, Cincinnati Children’s Hospital Medical Center, USA Emerging Roles for Microproteins in Cardiac Biology</p>	<p>The Present and Future of Cardiovascular Medicine: Innovation and Artificial Intelligence</p> <p>Chairs Konstantinos Toutouzas, University of Athens, Greece Polydoros Kampaktsis, New York University Langone Medical Center, USA</p> <p>10:15 – Eirini Marouli, Queen Mary University of London, UK Decoding disease and biology through the lens of Bioinformatics</p> <p>10:30 – John Elefteriades, Yale University, USA AI-Based Aortic Risk Calculator for Thoracic Aortic Aneurysms</p>	

	<p>10:45 – Abhinav Diwan, Washington University School of Medicine, USA Condensates in Sarcomere Protein Quality Control</p> <p>11:00 – Yang Kevin Xiang, University of California at Los Angeles, USA Mechano-stress drives cardiac malfunction in HFpEF</p> <p>11:15 – Eva Van Rooij, Hubrecht Institute, Netherlands Creating a repair permissive heart</p> <p>11:30 – Walter J. Koch, Duke University, USA Novel Aspects of GRK Signaling in the Heart</p>	<p>10:45 – Roberto Bolli, University of Louisville, USA Cell therapy for heart failure</p> <p>11:00 – David Shechner, University of Washington Pharmacology, USA TBA</p> <p>11:15 – Mark Mercola, Stanford University, USA Developing Precision Heart Failure Therapeutics using iPSC Disease Models</p> <p>11:30 – Peter Psaltis, The University of Adelaide, South Australian Health and Medical Research Institute, Australia Lessons from plaque imaging studies on new therapies for ASCVD</p>
BREAK		
	ROOM A	ROOM B
12:00 – 13:30	<p>Immunity, Inflammation, and Healing: New Frontiers in Cardiovascular Pathobiology</p> <p>Chairs Suresh Verma, University of Alabama at Birmingham, USA Pilar Martin, CNIC Madrid, Spain</p> <p>12:00 – Prabhakar Nagareddy, University of Oklahoma, USA Role of Neutrophils in Insulin Resistance Post -Myocardial Infarction</p> <p>12:15 – Gustavo Ramos, University Hospital of Wurzburg, Germany A roadmap to cardiac antigen discovery</p> <p>12:30 – David Sancho, CNIC, Spain Microbial metabolites driving atherosclerosis</p>	<p>Satellite Session Sponsored by Pfizer</p> <p>Chair Charalambos Vlachopoulos, National and Kapodistrian University of Athens, Greece</p> <p>12:00 - Efstathios Kastritis, National and Kapodistrian University of Athens, Greece Transthyretin amyloid cardiomyopathy (ATTR-CM)- a not so rare disease. Epidemiology, Screening and Diagnosis</p> <p>12:20 - Ioannis Petropoulos, National and Kapodistrian University of Athens, Greece ATTR-CM: from clinical trials to Real-World Evidence</p>

	<p>12:45 – Nick Frangiogiannis, Albert Einstein College of Medicine, USA Extracellular matrix-integrin interactions orchestrate cardiac repair</p> <p>13:00 – Edward Fisher, New York University, USA Psychological stress undermines atherosclerosis resolution after lipid lowering</p> <p>13:15 – Douglas Tilley, Temple University, USA Adrenergic-specific effects on myeloid cells during cardiac stress</p>	<p>Future Perspectives and Challenges in Amyloidosis</p> <p>Chairs Efstathios Kastritis, National and Kapodistrian University of Athens, Greece Kimon Stamatelopoulos, National and Kapodistrian University of Athens, Greece</p> <p>12:45 – Georgios Georgiopoulos, National and Kapodistrian University of Athens, Greece Digital and AI tools in early suspicion and diagnosis of amyloidosis</p> <p>12:56 – Alexios Antonopoulos, National and Kapodistrian University of Athens, Greece Electronic medical records and registries: Data mining to aid early diagnosis and treatment</p> <p>13:07 – Maria Koutelou, Onassis Cardiac Surgery Center, Athens, Greece Nuclear imaging as the diagnostic cornerstone: SPECT, PET and beyond</p> <p>13:18 – TBA</p>
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13:30 – 15:00	Lunch Break & Poster Session	
	ROOM A	ROOM B
15:00 – 16:30	<p>Novel Cardiometabolic Approaches to Treat HFpEF and HCM</p> <p>Chairs Virginia Hahn - Johns Hopkins University, USA Steven Houser - Temple University, USA</p> <p>Invited Speakers 15:00 – Joseph Hill - UT Southwestern, USA Endotrophin in HFpEF 15:15 – Lisa Heather, University of Oxford, United Kingdom Metabolites driving cellular chaos in the type 2 diabetic heart 15:30 – Virginia Hahn, Johns Hopkins University, USA Single cell analysis of HFpEF 15:45 – David Lefer - Cedars-Sinai Medical Center, USA GLP-1 Agonist Therapy in Cardiometabolic HFpEF</p>	<p>Advances in Personalized Treatment of Structural Heart Diseases</p> <p>Chairs George Kararigas, University of Nicosia-Athens, Greece Michael Bonios, Onassis Cardiac Center, Greece</p> <p>15:00 – George Arnaoutakis, UT Austin, USA Redo SAVR or Valve-in-valve TAVR? How I Choose</p> <p>15:15 – Dimitrios Avgerinos, Onassis Cardiac Surgery Center, Greece Therapies in heart valve and aortic diseases in the era of artificial intelligence</p> <p>15:30 – Antigone Koliopoulou, Onassis Cardiac Surgery Center, Greece Right Ventricular Failure following LVAD implantation: phenotypes and management</p> <p>15:45 – Alexios Antonopoulos, University of Athens, Greece ATTR Cardiomyopathy: Diagnostic Challenges, Unmet Needs, and the Promise of Digital Tools</p>

<p>16:00 – Mahmoud Abdellatif, Medical University of Graz, Austria Targeting Aging Mechanisms to Treat HFpEF</p> <p>16:15 – Sharlene Day, University of Pennsylvania, USA Emerging therapies for HCM</p>	<p>16:00 – George Tellides, Yale University, USA Dilatation and Tears of the Thoracic Aorta</p> <p>16:15 – TBA</p>
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BREAK

	ROOM A	ROOM B
16:45 – 18:15	<p>Cardiometabolic Health and Myocardial Structure and Function</p> <p>Chairs Jessica Karch, Baylor College of Medicine, USA Vesna Todorovic, Nature Cardiovascular Research</p> <p>16:45 – Dale Abel, University of California at Los Angeles, USA Mitochondrial Mechanisms for Cardiometabolic Disease</p> <p>17:00 – Zoltan Arany, University of Pennsylvania, USA SGLT2 inhibitors in heart failure</p> <p>17:15 – Stavros G. Drakos, University of Utah, USA Myocardial Recovery: Bedside to Bench and Back</p> <p>17:30 – Timothy O’Connell, University of Minnesota, USA Ffar4-ChemR23 signaling in cardiac myocytes attenuates ischemic cardiomyopathy</p> <p>17:45 – Robert McGarrah, Duke University, USA Branched-Chain Amino Acid Metabolism in Heart Disease: A Closer Look</p> <p>18:00 – Yajing Wang, University of Alabama at Birmingham, USA Central Regulator of Diabetic Coronary Microvascular Dysfunction and Cardiac Injury</p>	<p>Session Sponsored by the Max-Delbrueck-Centre Cardiac Splicing as a Therapeutic Target</p> <p>Chairs Thomas Martin, University of Colorado Boulder, USA Lisa Nolte, Max Delbrück Center, Germany</p> <p>16:45 – Dakota Hunt, University of Colorado Boulder, USA Novel Mechanisms of Functional Remodeling in the Postprandial Python Heart</p> <p>17:00 – Maria Carmo-Fonseca, Gulbenkian Institute for Molecular Medicine, Portugal Repairing MYBPC3 mis-splicing in Hypertrophic Cardiomyopathy</p> <p>17:15 – Benjamin Meder, Heidelberg University, Germany Insights into the isoform landscape of the human myocardium</p> <p>17:30 – Lars Steinmetz, Stanford University, USA Precision approaches to characterize and treat dilated cardiomyopathy</p> <p>17:45 – Michael Gotthardt, Max Delbrück Center for Molecular Medicine, Germany Then We Fight in the Shade: Assembling 300 Titin Exons to Hold the Sarcomeric Line</p> <p>18:00 – Joshua Gillard, Stanford University, USA Splice prediction and functional variants in cardiomyopathy</p>

BREAK

	ROOM A	ROOM B
18:30 – 19:30	<p>Cardiovascular Discovery at the Interface of Genetics and Regeneration</p> <p>Chairs Jop Van Berlo, University of Minnesota, USA Jason Karch, Baylor College of Medicine, USA</p>	<p>Best abstracts session Molecular Shields and Saboteurs: Cellular Targets in Cardiac Injury and Repair</p> <p>Chairs Luai Tabaza, Rowan University, USA</p> <p>TBA</p>

18:30 – Joy Lincoln, Medical College of Wisconsin, USA

Heart Valve Endothelial Dynamics in Health and Disease

18:45 – Rich Gang Li, The Texas Heart Institute, USA

Hippo signaling in heart regeneration

19:00 – Ali J. Marian, The Brown Foundation Institute of Molecular Medicine at UTHSC –Houston, USA

DNA damage in cardiomyopathies

19:15 – Zhiqiang Lin, Masonic Medical Research Institute, USA

Cardiomyocyte IRF2BP2 suppresses coronary arteriogenesis in female mice

18:30 - Stelios Psarras, Biomedical Research Foundation of the Academy of Athens
Macrophage/monocyte profiles reflecting and modulating cardiac repair

18:40 - Matthew Brody, University of Michigan, USA

The Rab3 GTPase cycle and Rab3gap1 palmitoylation cycle coordinate cardiomyocyte exocytosis and atrial natriuretic peptide (ANP) secretion

18:50 - Petra Kienesberger, Dalhousie University, Saint John, Canada

Lysophosphatidic acid signaling promotes triacylglycerol and lipid droplet accumulation in cardiomyocytes

19:00 - Nimesh Mody, University of Aberdeen, UK

Fenretinide inhibits obesity and steatotic liver disease but induces Smpd3 to increase serum ceramides and worsen atherosclerosis in LDLR^{-/-} mice

19:10 - Noah Weisleder, The Ohio State University, USA

A novel variant of the TRIM72/MG53 protein that is known to treat myocardial infarct can increase plasma membrane repair and phosphatidylserine binding to improve the therapeutic effects of the protein on cardiomyocytes

19:20 - Ioanna Katerina Aggeli, National and Kapodistrian University of Athens, Greece
Mitochondrial respiratory chain inhibitors alleviate the detrimental effect conferred by osmotic stress in H9c2 cardiac myoblasts

Day 3: Saturday, May 2, 2026

ROOM A		ROOM B	
8:30 – 10:00	<p>Cardiac Bioenergetics and Biomechanics in Health and Disease</p> <p>Chairs Maha Abdelatif, Rutgers University, USA Ahmed Mahmoud, Sanford Burnham Prebys, USA</p> <p>8:30 – Steven Jones, University of Louisville, USA Hyaluronan as a nexus between metabolism and inflammation</p> <p>8:45 – Martin Young, University of Alabama at Birmingham, USA Novel Mechanisms Mediating Pregnancy-Induced Adaptation of the Maternal Heart</p> <p>9:00 – Asa Gustafsson, UCSD, USA Cardiac Mitochondria Under Surveillance: ATG9A and Quality Control</p> <p>9:15 – Benjamin Prosser, University of Pennsylvania, USA Directional control of cardiac growth</p> <p>9:30 – Hossein Ardehali, University of Arizona, USA Hexokinase enzymes are key players in cardiovascular disease and immune dysregulation</p> <p>9:45 – Nazish Sayed, Stanford University, USA Multiscale profiling of tyrosine kinase inhibitor cardiotoxicity reveals mechanosensitive ion channel PIEZO1 as cardioprotective</p>	<p>Advancing Cardiovascular Research: From Bench to Bedside</p> <p>Chairs Petra Kienesberger, Dalhousie University, Canada TBA</p> <p>8:30 – Roger Foo, Duke-National University of Singapore, Singapore Cardiometabolic disease prevention and disease modelling with an Asian iPSC cell bank</p> <p>8:45 – Hector Valdivia, University of Wisconsin, USA Clinical spectrum of cardiac ryanodine receptor channelopathies</p> <p>9:00 – Ke Cheng, Columbia University, USA Translational Delivery Strategies for Cardiac Repair</p> <p>9:15 – Ryan Boudreau, University of Iowa, USA New insights into SCN5A/Nav1.5 influence on cardiac metabolism and disease</p> <p>9:30 – John Calvert, Emory University, USA Novel Insights into the Regulation of Cardiac Hydrogen Sulfide Production</p> <p>9:45 – Loren Wold, The Ohio State University, USA Psychosocial stress and cardiovascular disease: from early life to old age</p>	
BREAK			
ROOM A		ROOM B	
10:15 – 11:45	<p>RNA Modifications and Regulatory Mechanisms in CVD</p> <p>Chairs Dimitris Kardasis, University of Crete, Greece Artemis Hatzigeorgiou, University of Thessaly, Greece</p> <p>10:15 – Ljubica Matic, Karolinska Institute, Sweden Harnessing the potential of smooth muscle cells for translation in vascular disease</p> <p>10:30 – Manuel Rosa-Garrido, CSIC, The Institute of Biomedicine and Biotechnology of Cantabria, Spain</p>	<p>Interorgan Dynamics in Cardiovascular Complications</p> <p>Chairs Sihem Boudina, University of Utah, USA Sophie Mavrogeni, Onassis Cardiac Surgery Center, Greece</p> <p>10:15 – Brian Weil, University at Buffalo, USA Mechanisms of Inflammation and Multi-Organ Dysfunction in Post-Cardiac Arrest Syndrome</p> <p>10:30 – Kristin Stanford, The Ohio State University, USA</p>	

	<p>A Conserved Chromatin Structural Program Underlies Cardiomyocyte Proliferation 10:45 – Federica Accornero, Brown University, USA Proteostasis regulation by the multi tRNA synthetase complex 11:00 – Fabio Martelli, IRCCS, Policlinico San Donato, Milan, Italy Noncoding RNA role in ischemic heart diseases 11:15 – Antigone Lazou, Aristotle University of Thessaloniki, Greece RNA binding proteins in cardiac dysfunction 11:30 – Yvan Devaux, Luxembourg Institute of Health, Luxembourg Epitranscriptomic signals in cardiovascular disease</p>	<p>Mechanisms for BAT to Mediate Cardiovascular Health 10:45 – Emmanuel Tampakakis, Johns Hopkins Medical Institute, USA Epitranscriptomic Gene Regulation During Cardiogenesis 11:00 – Xin-Liang Ma, Thomas Jefferson University, USA Myocardial Infarction-Induced Impairment of Adipogenesis: Linking Adipose Insufficiency to the Obesity Paradox in Heart Failure 11:15 – Tim McKinsey, University of Colorado, USA Erasing Epigenetic Memory in Cardiac Fibrosis 11:30 – Joerg Heineke, Heidelberg University, Germany The role of the eukaryotic translation factor 1a in cardiac proteostasis</p>
BREAK		
	ROOM A	ROOM B
12:00 – 13:30	<p>Deciphering Cardiovascular Pathophysiology with Data Science</p> <p>Chairs Konstantinos Theofilatos, King’s College London, UK Manuel Rosa-Garrido, Institute of Biomedicine and Biotechnology of Cantabria (IBBTEC), Spain</p> <p>12:00 – Chris Newgard, Duke University, USA Sexual dimorphism of branched-chain amino acid metabolism and cardiometabolic disease risk 12:15 – Peipei Ping, UCLA, USA The Computational Choreography of the Heart: Lessons in Cardiovascular Proteome Dynamics 12:30 – Thomas Vondriska – UCLA, USA Chromatin as a Biosensor in the Heart 12:45 – Jianhua Zhang, University of Alabama at Birmingham, USA Mitochondrial quality control in the heart 13:00 – Kika Sucharov, University of Colorado, USA The impact of stiffness on pediatric dilated cardiomyopathy 13:15 – TBA</p>	<p>Heart Problems Begin in the Vasculature</p> <p>Chairs Alexandros Tselepis, University of Ioannina, Greece TBA</p> <p>12:00 – Katerina Naka, University of Ioannina, Greece` The Role of Vasculature in Advanced HF 12:15 – Ira Goldberg, New York University, USA Lipid uptake requires crossing the endothelial barrier 12:30 – Iris Jaffe, Tufts Medical Center, USA The role of vascular mineralocorticoid receptors in obesity-induced vascular and cardiac dysfunction 12:45 – Andrew Murphy, Baker Heart and Diabetes Institute, Australia The impact of a high salt diet on the bone marrow vasculature 13:00 – Victor Darley-Usmar, University of Alabama at Birmingham, USA Establishing The Bioenergetic-Metabolite Interactome in Human Platelets and the Implications for Translational Research 13:15 – Matt Nystoriak, Masonic Medical Research Institute Oxygen-sensitive control of microvascular tone and myocardial perfusion</p>

13:30 – 15:00	Lunch Break & Poster Session	
	ROOM A	ROOM B
15:00 – 16:30	<p>Regulation of Sarcomere and Filament Proteins in Heart Failure</p> <p>Chairs Samantha Harris, University of Arizona, Tucson, USA Kleopatra Rapti, University of Heidelberg, Germany</p> <p>15:00 – Jonathan Kirk, Loyola University, USA Work Hard/Relax Hard: Targeting Mechanotransduction to Help the Heart Help Itself</p> <p>15:15 – Katia Kontrogianni, University of Maryland, USA Unraveling giant obscurin in heart disease across sexes</p> <p>15:30 – Jil Tardiff, University of Arizona, USA The Role of Disrupted Protein Structure and Dynamics in the Pathogenesis of Thin-Filament Linked Cardiomyopathies</p> <p>15:45 – Sakthivel Sadayappan, University of Arizona, USA Regulation of Sarcomeric Proteins in Heart Failure</p> <p>16:00 – Thomas Hund, Ohio State University, USA Cytoskeletal remodeling in cardiac cells: Orchestrating the response to cardiac injury</p> <p>16:15 – Izhak Kehat, Technion Institute of Technology, Israel Subcellular Cardiac Proteomics in Vivo Identifies Key Regulators of Protein Sorting</p>	<p>Cardiac and Vascular Repair: Intervention and Prevention Strategies</p> <p>Chairs Konstantinos Tsioufis, University of Athens, Greece TBA</p> <p>15:00 – Emiliano Horacio Medei, Federal University of Rio de Janeiro, Brazil Resident macrophages mediate arrhythmia through IL-1b</p> <p>15:15 – Christos Kapelios, University of Athens, Greece Telemonitoring devices in Heart failure</p> <p>15:30 – Antonis Pantazis, Royal Brompton Hospital, UK A sodium-driven modality of CPVT</p> <p>15:45 – Rebekah Gundry, University of Nebraska, USA Decoding the Human Cardiac Cell Surfaceome Unmasks New Targets for Therapy, Diagnosis, and Disease Insight</p> <p>16:00 – Vaibhav Patel, University of Calgary, Canada The Neighbor No One Talks About: A Silent Modulator of Myocardial Infarction</p> <p>16:15 – Donald Menick, Medical University of South Carolina, USA The Many Roles of Acetylation in Heart Disease</p>
BREAK		
	ROOM A	ROOM B
16:45 – 18:15	<p>The “Ioanna Andreadou” Basic & Translational Session Cardioprotection in Myocardial Infarction</p> <p>Chairs Maria Marketou, University of Crete, Greece Rajasekaran Namakkal-Sorrappan, University of Alabama at Birmingham, USA</p>	<p>Immune, Metabolic and Autonomic Contributions to Cardiovascular Diseases: Emerging Concepts</p> <p>Chairs Irene Fernández-Ruiz, Nature Reviews Cardiology, Spain TBA</p> <p>16:45 – Kory Lavine, WashU at St Louis, USA</p>

	<p>16:45 – In Pursuit of Discoveries in Heart Research: The Life and Legacy of Ioanna Andreadou (1965-2025) Antigone Lazou, Aristotle University of Thessaloniki, Greece</p>	<p>Modulating Innate Immunity in Heart Failure 17:00 – Sumanth Prabhu, WashU at St Louis, USA Alternatively Activated Macrophages Drive Parainflammation in Heart Failure 17:15 – Kimon Stamatelopoulos, University of Athens, Greece From Inflammation to Atherosclerosis: Translational Biomarkers and Targeted Therapies 17:30 – Pilar Alcaide, University of Miami, USA Adding Insult to Injury: T cells at the Heart of Cardiac heal 17:45 - Shyam Bansal, Pennsylvania State University Hershey Medical Center, USA Immune Cells at the Center of Interorgan Crosstalk during Myocardial Infarction 18:00 – Patrick Hsieh, Institute of Biomedical Sciences, Academia Sinica, Taiwan Healing the Heart: The Hidden Role of Gut Bacteria</p>
	<p>17:00 – Christoph Maack, University Clinic Wuerzburg, Germany Mitochondrial redox regulation in cardiac damage and failure 17:15 – Gemma Vilahur, Sant Pau Research Institute, Spain Impact of lipid metabolic alterations in modulating the bone marrow-heart axis for cardioprotection 17:30 – Gabriele Schiattarella, Charité - Universitätsmedizin Berlin, Germany Interorgan Crosstalk in HFpEF: Mechanisms to Therapeutics 17:45 – Jolanda van der Velden, Amsterdam UMC, Netherlands Microtubule remodeling in hypertrophic cardiomyopathy 18:00 – Dominic Del Re, Rutgers New Jersey Medical School, USA Novel Insights into the Regulation of Cardiac Fibrosis and Inflammation</p>	

BREAK

	ROOM A	ROOM B
<p>18:30 – 19:30</p>	<p>Drug Development: Taking Innovative Discoveries to Clinical Applications</p> <p>Chairs Jason McCarthy, Masonic Medical Research Institute, USA Lampros Michalis, University of Ioannina, Greece</p> <p>18:30 – Gerasimos Filippatos, University of Athens, Greece nsMRAs: From Diabetes to Heart Failure 18:45 – Demetri Yannopoulos, University of Minnesota, USA Intravenous oxygenation: Power and challenges of nanobubbles 19:00 – Farah Sheikh, UCSD, USA Mechanism-Driven Therapeutic Development in Arrhythmogenic Cardiomyopathy 19:15 – Susmita Sahoo, Mount Sinai School of Medicine, USA Targeting reperfusion injury to optimize normothermic perfusion: a new era in cardiac transplantation</p>	<p>Regenerating the Heart: Molecular Mechanisms and Emerging Therapeutics</p> <p>Chairs Filippo Crea, European Heart Journal, Catholic University, Italy Tomasz Guzik, University of Edinburgh, Scotland</p> <p>18:30 – Leslie Leinwand, University of Colorado, USA Nature-Inspired Targets for Therapeutic Intervention 18:45 – Roger Hajjar, Mass General Brigham, USA Cardiac Gene Therapy: Advancements and Therapeutic Prospects 19:00 – Buddhadeb Dawn, University of Nevada, Las Vegas, USA Translating MSC therapy: Bench to bedside 19:15 – Ying Ge, University of Wisconsin-Madison, USA Proteofoms as Molecular Determinants of Cardiac Disease and Regeneration Enabled by Top-Down Proteomics</p>

Day 4: Sunday, May 3, 2026

ROOM A		ROOM B	
8:30 – 10:00	<p>Advances in Cardiac Development and Regeneration: From Molecular Insights to Therapeutic Innovations</p> <p>Chairs Luis Hortells, UIT- The Artic University of Norway. Norway Konstantinos Chatzistergos, Aristotle University of Thessaloniki, Greece</p> <p>8:30 – Hesham Sadek, The University of Arizona, USA Myocardial Regeneration Through Induction of Cardiomyocyte Proliferation: Edging Toward the Clinic</p> <p>8:45 – Wolfram Zimmermann, University Medical Center Gottingen, Germany Clinical experience with biological ventricular assists tissue (BioVAT) in advanced heart failure</p> <p>9:00 – Joshua Hare, University of Miami, USA TBA</p> <p>9:15 – Raj Kishore, Temple University, USA SeXX Matters: Epigenetic mechanisms regulate sex differences in bone marrow progenitor cell mediated cardiac reparative activity</p> <p>9:30 – Jianyi (Jay) Zhang, University of Alabama at Birmingham, USA Heart Regeneration and Graft Associated Arrhythmia in Large Mammals</p> <p>9:45 – Timothy Kamp, University of Wisconsin, Madison, USA Repair of Post-MI Porcine Heart with Human iPSC-derived Committed Cardiac Progenitor Cells</p>	<p>Novel Approaches in Understanding and Treating CV Complications</p> <p>Chairs Panos Vardas, Hygeia Hospital, Greece Jack Rubinstein, University of Cincinnati, USA</p> <p>8:30 – Jonathan Epstein, University of Pennsylvania, USA Treating Cardiac Fibrosis with mRNA and CAR T cells</p> <p>8:45 – Robert Gourdie, Virginia Tech Roanoke, USA Milk-Derived Nanovesicles for Connexin43-Targeted Therapy in Ischemic Heart Disease</p> <p>9:00 – Mirela Delibegovic, University of Aberdeen, Scotland Targeting PTP1B for cardiometabolic disease</p> <p>9:15 – Long-Sheng Song, University of Iowa, USA Targeting Junctophilin-2 for Heart Failure Gene Therapy</p> <p>9:30 – Daniel Garry, University of Minnesota, USA ETV2 reprograms the vascular lineage and promotes cardiovascular regeneration</p> <p>9:45 – Carolina Greco, Humanitas University, Italy A matter of time: circadian reprogramming in heart failure</p>	
BREAK			
ROOM A		ROOM B	
10:15 – 11:45	<p>Novel Mechanisms of Cardiotoxic Signaling</p> <p>Chairs Sangita Choudhury, Boston Children’s Hospital, USA Priscila Sato, University of Alabama at Birmingham, USA</p> <p>10:15 – Jeffery Molkentin, Cincinnati Children’s Hospital Medical Center, USA</p>	<p>Translating Basic Research to Therapies: From Animals to Patients and Back</p> <p>Chairs Tongbin Wu, Masonic Medical Research Institute, USA Maria Touloupaki, Hygeia Hospital, Greece</p> <p>10:15 – Camila Hochman-Mendez, The Texas Heart Institute, USA</p>	

	<p>Letm1 serves as the primary regulator of mitochondrial calcium efflux in heart and muscle</p> <p>10:30 – Johannes Backs, University Hospital Heidelberg, Germany</p> <p>Heterocellular communication in cardiometabolic disease</p> <p>10:45 – Jun Sadoshima, Rutgers University Newark, USA</p> <p>Senescence cardiomyopathy</p> <p>11:00 – E. Douglas Lewandowski, The Ohio State University, USA</p> <p>Factors affecting metabolic trafficking of long chain fats in a time of cardiac stress</p> <p>11:15 – Howard Rockman, Duke University, USA</p> <p>Allosteric Modulation of Beta-Adrenergic Receptor Function</p> <p>11:30 – Lorrie Kirshenbaum, University of Manitoba, Canada</p> <p>Circadian-Regulated Autophagy and Cell Death in the Heart</p>	<p>Enriched Exosomes for Endothelial Repair: Translating NAMs from Bench to Transplantation</p> <p>10:30 – Arjun Deb, UCLA, USA</p> <p>Targeting metabolism to engineer new therapeutic agents for heart failure</p> <p>10:45 – P. Christian Schulze, Clinical University of Jena, Germany</p> <p>Cardiovascular lipotoxicity - Diagnostic Challenges and Therapeutic Implications</p> <p>11:00 – Michael Kapiloff, Stanford University, USA</p> <p>Gene therapies targeting signalosomes in heart failure</p> <p>11:15 – Jiang Chang, Texas A&M University, USA</p> <p>Metabolic Resilience in Heart Failure</p> <p>11:30 – Ravi Ramasamy, New York University, USA</p> <p>Inter-organelle contact: An emerging therapeutic target for cardioprotection</p>
BREAK		
	ROOM A	ROOM B
<p>12:00 – 13:30</p>	<p>Innovative Interventions to Tackle Cardiovascular Aging</p> <p>Chairs</p> <p>Konstantinos Stellos, Heidelberg University, Germany</p> <p>Andreas Zeiher, Goethe University, Frankfurt, Germany</p> <p>12:00 – Steffanie Dimmeler, Goethe University, Germany</p> <p>Novel insights in cardiac aging</p> <p>12:15 – Gianluigi Condorelli, Humanitas University, Milan, Italy</p> <p>Epigenetic Mechanisms Regulating Myocardial Function</p> <p>12:30 – Eviropidis Gavathiotis, Albert Einstein College of Medicine, USA</p> <p>Targeting Mitofusin Interactions to Suppress Senescence-Associated Inflammation</p> <p>12:45 – Simon Sedej, Medical University of Graz, Austria</p> <p>Caloric Restriction Mimetics to the Rescue for an Aging and Failing Heart</p> <p>13:00 – Richard Kitsis, Albert Einstein College of Medicine, USA</p> <p>Unifying Cell Death Programs in Myocardial Infarction</p>	<p>Heart Failure: Cardiac and Systemic Energetic Misbalance</p> <p>Chairs</p> <p>TBA</p> <p>TBA</p> <p>12:00 – Daan Westenbrink, University of Groningen, Netherlands</p> <p>Ketone Metabolism in Cardiac Failure and Aging</p> <p>12:15 – Anton Bennett, Yale University, USA</p> <p>Insights into Cardiac Remodeling Revealed by Tyrosine Kinase Inhibitors</p> <p>12:30 – Bradford Hill, University of Louisville, USA</p> <p>Metabolic Control of Myocardial Perfusion and Exercise Capacity: Implications for Healthy Aging</p> <p>12:45 – Linda Peterson, Washington University St Louis, USA</p> <p>Beating Disability in Patients with Heart Failure with Reduced Ejection Fraction (HFrEF)</p> <p>13:00 – Ulrich Kintscher, Charite Berlin, Germany</p> <p>Interorgan Crosstalk in HFpEF: the Adipose Tissue – Heart Axis</p>

	<p>13:15 – Kamil A Kobak, Oklahoma Medical Research Foundation, USA Sexual dimorphism in skeletal muscle dysfunction and whole-body metabolism in aged mice with heart failure with preserved ejection fraction</p>	<p>13:15 – Scott Summers, University of Utah, USA The Bond That Breaks the Heart</p>
BREAK		
ROOM A		
<p>13:45 – 14:30</p>	<p>Keynote Lecture</p> <p>Chairs Litsa Kranias, University of Cincinnati, USA Ioannis Boletis, National & Kapodistrian University of Athens, Greece</p> <p>From geroscience to precision geromedicine. Understanding and managing cardiovascular aging</p> <p>Guido Kroemer Université Paris Cité, Sorbonne Université, France</p> <p>Introduction by Konstantinos Stellos</p>	
<p>14:30</p>	<p>Meeting adjourns</p>	