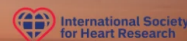


37th Annual Meeting of the International Society for Heart Research European Section

10 - 13 JULY 2023

Porto, Portugal
CIM FMUP



Event Program

July 10th
Monday

July 11th
Tuesday

July 12th
Wednesday

July 13th
Thursday

08:30 Registration Young Investigators

09:00

Session: Y1-1

● Main Auditorium

Young Investigator ECI/MCI Session 1

Chairpersons: Julie Pires Da Silva, France & Diederik Kuster, Netherlands

Cx43 forms functional channels at the nuclear envelope and modulate gene expression in cardiac cells

Tania Martins-Marques - Portugal

Cardioprotective effects of monoamine oxidase inhibitors against duchenne-associated cardiomyopathy

Ruth Jephchirchir Arusei - Italy

Cardiac sympathetic innervation is an unrecognized disease target in autosomal dominant optic atrophy

Marco Ronfini - Italy

The nrf2 transcription factor enhances the cardioprotective effects of the mitochondrial stress response in cardiomyocytes

Rahme Safakli - United Kingdom

Natriuretic peptides prevent cardiomyocyte apoptosis and increase cgmp signaling around mitochondria

Mette Ovesen - Norway

Cx43 modulates reverse electron transfer in subsarcolemmal cardiac mitochondria from cx43cre-er(t)/fl mice through a reduction in coenzyme q pool and a change in its redox state

Marta Consegal - Spain

10:00 Coffee break

10:15

Session: YI-2

● Main Auditorium

Young Investigator ECI/MCI Session 2

Chairpersons: Bernadin Ndongson Dongmo, Norway & Delphine Mika, France

Deletion in a gene desert causes a change in chromatin conformation, ectopic pitx2 expression and sinoatrial node dysfunction

Lieve Van Der Maarel - Netherlands

Muscle ring finger-1 is required to prevent age-related myocardial hypertrophy and interstitial remodeling

Nicola Moro - Italy

Pericardial adipose tissue promotes progressive dilation, fibrosis and transition to heart failure with reduced ejection fraction in a mouse model of pressure overload

Sarah-Lena Puhl - Germany

The impact of hyperglycaemia on the injured coronary microcirculation and the vasculoprotective effects of interleukin-3

Juma El-Awaisi - United Kingdom

Phosphoinositide 3-kinase α controls cardiac contractility through regulation of β 2-adrenergic receptor recycling

Sophie Cnudde - Italy

The new calpain inhibitor npo-2270 preserves contractile function more effectively than enalapril in pressure overload-induced heart failure

Sara Delgado Tomás - Spain

11:15

Young Investigator ECI/MCI Career 'Café'

● Room 3 & 4

Guest List: Jolanda van der Velden (Netherlands), Luc Bertrand (Belgium), Frank Lezoualch (France), Mauro Giacca (United Kingdom), Christoph Maack (Germany), Zoltan Papp (Hungary), Gabrielle Schiattarella (Germany), Davor Pavlovic (United Kingdom), Monika Gladka (Netherlands), Alessandra Ghigo (Italy), Melanie Paillard (France), Sandrine Lecour (South Africa), Ana Maria Gomez (France)

12:30

Lunch & Poster Display

13:15

Opening Ceremony

● Main Auditorium

13:45 Plenary Session 1 - JMCC Supported

● Main Auditorium

Supported by:  **JMCC**
JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY

Chairpersons: Davor Pavlovic, UK & Julia Ritterhof, Germany

Systematic transcriptomic and phenotypic characterization of human and murine cardiac myocyte cell lines and primary cardiomyocytes reveals serious limitations and low resemblances to adult cardiac phenotype

Zoltán Varga - Hungary

A roadmap for the characterization of energy metabolism in human cardiomyocytes derived from induced pluripotent stem cells

Anna Zoccarato - UK

Human engineered heart tissue transplantation in a guinea pig chronic injury model

Florian Weinberger - Germany

15:00

Session: 1

● Main Auditorium

Getting to the Heart of Metabolic Flexibility

Chairpersons: Christoff Maack, Germany & Dunja Aksentijevic, United Kingdom

Activation of the integrated stress response rewires cardiac metabolism in Barth syndrome

Jan Dudek - Germany

Ketone bodies and failing hearts

Daan Westenbrink - Netherlands

When metabolic fuels alter PTMs in the failing heart: new targets to repair the engine?

Luc Bertrand - Belgium

Oral Communications

CO162 - Towards the identification of acetylated proteins involved in the regulation of cardiac GLUT4 translocation

Marine De Loof; Edith Renguet; Laurent Bultot; Eline Stukkens; Audrey Ginion; Caroline Bouzin; Christian Poüs; Sandrine Horman; Christophe Beauloye; Luc Bertrand

CO168 - Mechanical sensing and imprinting in cardiac disease through differential talin tensing and interactions

Thomas Iskratsch; Emilie Marhuenda; Ioannis Xanthis



15:00

Session: 2

Room 3

New Insights in Cardio-Oncology

Chairpersons: Alessandra Ghigo, Italy & Lorenz Lehmann, Germany

Anthracycline-induced cardiotoxicity: from mechanism to therapy[Borja Ibáñez - Spain](#)**Transcriptional and Metabolic Adaptation to Cardiotoxic Doxorubicin**[Alessandra Ghigo - Italy](#)**New insights into the relation between heart failure and cancer**[Rudolph de Boer - Netherlands](#)

Oral Communications

CO117 - Cardiac dysfunction in breast cancer patients receiving doxorubicin is associated with a shift in high-density lipoprotein (HDL) subclasses**Carmelita Abrahams;** Wanzhu Zhang; Karen Sliwa; Emmy Okello; Sandrine Lecour**CO167 - Mechanical load affects the proliferation of multiple cell types in the heart****Giulio Ciucci;** Andrea Colliva; Simone Vodret; Bernhard Texler; Benno Cardini; Ruper Oberhuber; Roman Vuerich; Elena Zago; Giulia Cucinella; Manuel Maglione; Gianfranco Sinagra; Mauro Giacca; Thomas Eschenhagen; Paolo Golino; Francesco Loffredo; Serena Zacchigna

15:00

Session: 3

Room 4

Connecting Cardiac Development with Disease

Chairpersons: José Belo, Portugal & Vincent Christoffels, Netherlands

Right ventricular cellular heterogeneity and remodelling in pulmonary Hypertension[Fatemeh Khassafi - Germany](#)**The role of the cardiac lymphatics during neonatal heart regeneration**[Paul Riley - United Kingdom](#)**Regulation of cardiomyocyte proliferation in heart development and response to injury**[Miguel Torres - Spain](#)

Oral Communications

CO104 - Ephrin-B1 regulates the adult diastolic function through a late postnatal maturation of cardiomyocyte surface crests

Gales Celine

CO131 - Cardiomyocyte proliferation is suppressed by ARID1A-mediated YAP inhibition during cardiac maturation

Cornelis Boogerd; Ilaria Perini; Su Ji Han; Eirini Kyriakopoulou; Phit La; Britt Van Der Swaan; Jari Berkhout; Danielle Versteeg; Jantine Monshouwer; Eva Van Rooij

16:30 Coffee Break & Poster Session 1[Click to view posters list](#)

18:00

Session: 4

● Main Auditorium

Targeting Metabolic Pathways Towards Treatment of Cardiac Diseases

Chairpersons: Inês Falcão Pires, Portugal & Edoardo Bertero, Italy

EPAC1, a mitochondrial sensor of cardiomyocyte overfueling

[Frank Lezoualch - France](#)

Targeting succinate metabolism to treat cardiac ischemia/reperfusion injury

[Hiran Prag - United Kingdom](#)

Targeting Lipid-Based Signaling in Cardiometabolic HFpEF

[Gabriele Schiattarella - Germany](#)

Oral Communications

CO14 - A novel optogenetic approach to lower intracellular sodium in heart failure

Zoe A. Hoare; Thomas R. Eykyn; Svenja M. Kiehn; Tobias Bruegmann; Michael J. Shattock

CO156 - Cardiac fibroblast metabolism in Fabry cardiomyopathy: a window into pathogenesis and therapeutic targets

David Weissman; Paula Arias; Michael Kohlhaas; Alex Nickel; Jan Dudek; Peter Nordbeck; Christoph Maack

18:00

Session: 5

Room 3

Mechanisms of Cardioprotection: Chances and Challenges

Chairpersons: Sandrine Lecour, South Africa & Thomas Thum, Germany

MircoRNAs in cardioprotection: potential therapeutics?Peter Ferdinandy - Hungary**Runx1 – a new therapeutic target for adverse cardiac remodeling after myocardial infarction**Christopher Loughrey - United Kingdom**Remote ischemic conditioning: Cardioprotection on a distance in animal models and in patients?!**Petra Kleinbongard - Germany**Oral Communications**

CO180 - The ATF5 and NRF2 transcription factors synergise to regulate the cardioprotective effects of the mitochondrial stress response in cardiomyocytes

Ioannis Smyrniak; Rahme Nese Safakli; Stephen Gray

CO184 - Exercise protects aged mice against coronary endothelial senescence via FUNDC1-dependent mitophagy

Wenxiang Wei; Lijie Ma; Kaifeng Li; Ze Li; Haifeng Zhang; Wenjuan Xing

18:00

Session: 6

Room 4

Gene Editing and Modulation: Towards the End of Cardiac Disease?

Chairpersons: Martina Calore, Netherlands & Serena Zacchigna, Italy

RNA therapeutics for cardiac repair and gene editing

Mauro Giacca - United Kingdom

Tissue Engineered Heart Repair from Bench to Bedside

Wolfram Zimmermann - Germany

Dissection of the role of microRNAs in cardiac fibrosis through functional genomics screenings

Miguel Mano - Portugal

Oral Communications

CO179 - High-throughput selection of human microRNAs that increase homology directed repair for precise cardiac gene editing

Edoardo Schneider; Luca Venditti; Giorgia Rizzari; Mateusz Tomczyk; Luca Braga; Antonio Mura; Danilo Licastro; Simone Vodret; Lorena Zentilin; Mauro Giacca

CO107 - Therapeutic benefit of Plakophilin 2 restoration in arrhythmogenic cardiomyopathy

Eirini Kyriakopoulou; Danielle Versteeg; Lorena Zentilin; Sebastiaan Johannes Van Kampen; Hoyee Tsui; Malte Tiburcy; Wolfram Hubertus Zimmermann; Mauro Giacca; Eva Van Rooij

19:30

Social Event Get-Together

21:00

Key Dates

Abstract Submission Deadline

April 7th

Author Notification

May 15th

Registration Early Bird Fee

May 22nd



Skyros Congressos

Website www.skyros-congressos.com

Email ishr2023@skyros-congressos.com

Tel: +351 919 589 180

Contact us on Whatsapp

