



CONGRESSO
SPCCTV

4D

VISIONS 19

PROGRAM

**TRANSLATIONAL
MEDICAL
SCIENCE**

23[&]24

SATURDAY AND SUNDAY

23 NOVEMBER

SATURDAY

PROGRAM **TRANSLATIONAL MEDICAL SCIENCE**

CONGRESSO
SPCCTV
4
VISIONS 19

09:30/11:00

1ST SESSION

«BIRDS OF A FEATHER FLOCK TOGETHER» CROSSTALK BETWEEN CARDIOMYOCYTES AND NON-CARDIOMYOCYTES

Chairpersons

PERPETUA PINTO DO Ó | INEB, Porto

INÊS FALCÃO PIRES | FMUP, Porto

1. THE ROLE OF EXOSOMES IN THE CROSSTALK BETWEEN CARDIOMYOCYTES AND NON-CARDIOMYOCYTES

HENRIQUE GIRÃO | FMUC, Coimbra

2. INTERACTIONS BETWEEN CARDIOMYOCYTES, FIBROBLASTS, AND EXTRACELLULAR MATRIX

DIANA NASCIMENTO | INEB, Porto

3. MYOCARDIAL ENDOTHELIAL MICROVASCULATURE: THE ROLE OF ENDOTHELIAL CELLS IN CARDIAC REGULATION

LINO FERREIRA

4. EPICARDIAL ADIPOSE TISSUE: FRIEND OR FOE?

NUNO BETTENCOURT | FMUP, Porto

ORAL COMMUNICATIONS

5. ENDOTHELIAL DYSFUNCTION IN THE CONTEXT OF HEART FAILURE WITH PRESERVED EJECTION FRACTION

6. EHD1 PROMOTES LATERALIZATION OF THE GAP JUNCTION PROTEIN CX43 IN THE ISCHEMIC HEART

7. ROLE OF CCBE1 IN THE CROSS-REGULATION BETWEEN ENDOTHELIAL CELLS AND CARDIOMYOCYTES IN CARDIOGENESIS: FROM DEVELOPMENTAL BIOLOGY TO REGENERATIVE MEDICINE APPROACHES

11:00/11:30

COFFEE BREAK

11:30/13:00

2ND SESSION

BASIC AND TRANSLATIONAL CARDIOVASCULAR RESEARCH: USEFUL TOOLS FOR CLINICIANS AND DEMYSTIFICATION OF THE LAB WORK

Chairpersons

DANIEL GONÇALVES | FADEUP, Porto

JOSÉ BRAGANÇA | Universidade Algarve, CBMR, Faro

1. TRANSLATIONAL RESEARCH FROM A CLINICIAN PERSPECTIVE

RICARDO FONTES DE CARVALHO | CHVNGE, V. N. Gaia

2. STEM CELLS POTENTIAL IN CARDIAC REGENERATION

LUÍS RAPOSO | CHULO, Hospital Santa Cruz

3. TRANSLATIONAL RESEARCH FROM A SURGEON PERSPECTIVE

RUI CERQUEIRA | CHUSJ, Porto

4. HOW MUCH CAN BE RECOVERED IN MYOCARDIAL REVERSE REMODELING: A GOOD EXAMPLE OF TRANSLATIONAL RESEARCH

CRISTINA GAVINA | Cardiology, FMUP, Porto

ORAL COMMUNICATIONS

5. CITED2 FUNCTION, STATE OF THE HEART

6. EXTRACELLULAR-MATRIX FUNCTIONALIZATION OF HUMAN IPSC-BASED CARDIAC TISSUES IMPROVES CARDIOMYOCYTE MATURATION

7. GENERATION AND FUNCTIONAL CHARACTERIZATION OF CARDIOMYOCYTES DERIVED FROM A SET OF ISOGENIC, GENE-EDITED HUMAN IPS CELL LINES DERIVED FROM A CERL2/DAND5 PATIENT FOR CARDIAC DISEASE MODELLING

13:00/14:30

LUNCH WITH THE EXPERTS

23 NOVEMBER

SATURDAY

PROGRAM **TRANSLATIONAL MEDICAL SCIENCE**

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14:30/16:00

**3RD SESSION: OMICS STUDIES IN
CARDIOVASCULAR DISEASE (NETDIAMOND)**

Chairpersons

RUI VITORINO | Universidade Aveiro

ARTUR SILVA | Universidade Aveiro

**1. WHAT CAN AN OMICS SPECIALIST UNRAVEL TO A
CARDIOLOGIST?**

FRANCISCO AMADO | Universidade Aveiro

2. OMICS IN HFpEF

JOSÉ BELO | Universidade Nova de Lisboa

3. PROTEOMICS/METABOLOMICS IN HFPEF

PAULA ALVES | iBET, Lisboa

4. PIPELINES AND FRAMEWORKS IN OMICS ANALYSIS

ANTÓNIO BARROS | FMUP, Porto

RITA FERREIRA | FMUP, Porto

ORAL COMMUNICATIONS

**5. GATHERING PHENOTYPE-GENOTYPE DATA IN HFPEF
STUDIES**

**6. OBESITY ALTERATIONS IN CARDIAC VISCERAL ADIPOSE
TISSUE: CHARACTERIZATION IN AN ANIMAL MODEL OF
OBESITY-INDUCED HFPEF**

**7. MITOCHONDRIAL REVERSIBLE CHANGES DETERMINE
DIASTOLIC FUNCTION ADAPTATIONS DURING MYOCARDIAL
(REVERSE) REMODELING**

16:30/17:00

**SPECIAL SESSION: KEYNOTE LECTURE
«TISSUE ENGINEERING IN CARDIOVASCULAR
MEDICINE: FROM BENCH TO BEDSIDE»**

Keynote Speaker

THOMAS ESCHENHAGEN | UKE, Hamburg, Germany

17:00/18:00

**SHORT COMMUNICATION
TRANSLATIONAL MEDICAL SCIENCE**

Chairpersons

ANTÓNIO BARROS | FMUP, Porto

DANIEL GONÇALVES | FADEUP, Porto

INÊS FALCÃO PIRES | FMUP, Porto

CARMEN BRÁS SILVA | FMUP, Porto

JOSÉ BRAGANÇA | Universidade Algarve, CBMR, Faro

**1. A COMPUTATIONAL PIPELINE FOR MULTIPLE COHORT
ANALYSIS**

**2. MERGING MICROARRAY STUDIES TO IDENTIFY A
COMMON GENE EXPRESSION SIGNATURE IN HEART
DISEASE**

**3. UNRAVELING THE EFFECT OF EXERCISE TRAINING
IN THE SKELETAL MUSCLE/ADIPOSE TISSUE AXIS IN
EXPERIMENTAL HEART FAILURE WITH PRESERVED
EJECTION FRACTION**

**4. A COLLABORATIVE DATA REPOSITORY FOR COHORT
MANAGEMENT**

**5. THE IMPACT OF CHRONIC SILDENAFIL
SUPPLEMENTATION IN EXPERIMENTAL HEART FAILURE
WITH PRESERVED EJECTION FRACTION**

**6. MODERATE ALCOHOL CONSUMPTION PROMOTES
REMODELING OF THE RIGHT VENTRICLE AND PULMONARY
ARTERY IN WISTAR RATS**

**7. DATA-FUSION AND MULTIVARIATE ANALYSIS
OF MICROARRAY DATA FOR THE UNTARGETED
IDENTIFICATION OF A GLOBAL AND MULTI-ETIOLOGICAL HF
SIGNATURE**

**8. β -3 ADRENOCEPTORS: A THERAPEUTIC TARGET FOR
PULMONARY ARTERIAL HYPERTENSION**

**9. THE AFRICAN SPINY MOUSE AS A MODEL FOR HEART
REGENERATION**

**10. INFLAMMATORY INFILTRATE DRIVES MYOCARDIAL
INJURY IN HUMAN SEPTIC CARDIOMYOPATHY**

24 NOVEMBER

SUNDAY

PROGRAM **TRANSLATIONAL MEDICAL SCIENCE**

CONGRESSO
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11:00/11:30

SPECIAL SESSION: KEYNOTE LECTURE
«HYPERTROPHIC CARDIOMYOPATHY: THE
GENETICS BEHIND A SURGICAL CHALLENGE»

Keynote Speaker

LUCIE CARRIER | University Medical Center Hamburg, Germany

11:30/12:30

PULMONARY HYPERTENSION
THE RIGHT VENTRICLE UNDER PRESSURE

Chairpersons

ANDRÉ LOURENÇO | CHUSJ, Porto

CÁRMEN BRÁS SILVA | FMUP, Porto

1. IS EXERCISE TRAINING BENEFICIAL FOR THE RIGHT
VENTRICLE IN PULMONARY HYPERTENSION? WHAT CAN
WE LEARN FROM PRE-CLINICAL STUDIES

MÁRIO SANTOS

2. NOVEL MECHANISMS IN PULMONARY HYPERTENSION:
MICRO-RNAS AND RIGHT VENTRICULAR (DYS)FUNCTION

RUI BAPTISTA | CHUC, Coimbra

ORAL COMMUNICATIONS

3. MICRORNA-146A ROLE IN THE PATHOPHYSIOLOGY OF
PULMONARY ARTERIAL HYPERTENSION

4. FUNCTIONAL ANALYSIS OF TWO NOVEL TBX5
MUTATIONS PRESENT IN HOLT-ORAM SYNDROME
PATIENTS WITH DIFFERENT CLINICAL MANIFESTATIONS

13:00/13:30

CLOSING CEREMONY

ROOM A

MESSAGE FROM THE PRESIDENT DA SPCCTV
SPCCTV ACADEMY SCIENTIFIC AWARDS
YOUNG INVESTIGATOR AWARD 2019 – BASIC
SCIENCE

CONGRESSO
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