SIRC

Società Italiana di Ricerche Cardiovascolari

2nd Workshop on
New Roads in Cardiovascular Research

Pisa, 13 ottobre 2014
Aula Magna Scuola Superiore Sant'Anna,
Piazza Martiri della Libertà 33

Lunedì 13 ottobre 2014

AULA MAGNA

8.15 – 8.30 CERIMONIA DI APERTURA con i saluti del Presidente della SIRC, Prof. Pasquale Pagliaro, e del Direttore dell'Istituto di Scienze della Vita, della Scuola Superiore Sant'Anna, Prof. Mario Enrico Pè

8.30 – 9.30 SESSIONE I: CARDIAC DRUGS AND CARDIOTOXICITY

Moderatori: Proff. Federico Quaini e Carlo Gabriele Tocchetti

8.30 – 9.00 Comunicazioni

1) **Ameri P**, et al. "TESTOSTERONE, BUT NOT 17B-ESTRADIOL, ANTAGONIZES DOXORUBICIN-INDUCED SENESCENCE OF CARDIOMYOCYTES" - Università di Genova.

2) **Gervasi A**, et al. "STRUCTURAL CHARACTERIZATION OF THE HEART IN TRASTUZUMAB OR TDM-1 TREATED BALB/C NUDE MICE CARRYING XENOTRANSPLANTED HUMAN ADENOCARCINOMA**"** - Università di Parma.

3) **Rebuzzini P**, et al. "ARSENIC TRIOXIDE ALTERS THE SARCOMERE ORGANISATION AND CONTRACTILE PROPERTIES OF CARDIOMYOCYTES DIFFERENTIATED FROM MOUSE EMBRYONIC STEM CELLS" – Università di Pavia.

9.00 – 9.30 Discussione

9.30 – 10.45 SESSIONE II: STEM ANGIOGENESIS AND MOLECULAR BASES OF CARDIOVASCULAR DISEASES

Moderatori: Proff. Francesco Moccia e Claudia Penna.

9.30 – 10.10 Comunicazioni

1) **Giovannelli G**, "HYPEROSMOLARITY-ENHANCED COX-2 EXPRESSION CONTRIBUTES TO HIGH GLUCOSE-INDUCED MICROANGIOPATHY" – Università "G. D'Annunzio" di Chieti

2) **Coppini R**, et al. "MYOCARDIAL DYSFUNCTION IN HYPERTROPHIC CARDIOMYOPATHY: PRIMARY EFFECTS OF SARCOMERIC MUTATIONS VERSUS SECONDARY CARDIOMYOCYTE REMODELING" – Università di Firenze

3) **Squarzanti DF**, et al. "EFFECTS OF VITAMIN D ON CULTURED HUMAN UMBILICAL VEIN ENDOTHELIAL CELLS UNDERGOING OXIDATIVE STRESS" – Università del Piemonte Orientale

4) **Collini M**, et al. "FLUORESCENCE CROSS-CORRELATION SPECTROSCOPY METHODS FOR IN-VIVO BLOOD VELOCIMETRY" – Università di Milano-Bicocca

10.10 – 10.45 Discussione

10.45 – 11.00 BREAK

11.00 – 11.20 Key lecture: Prof. Pasquale Pagliaro

"OXIDATIVE/NITROSATIVE SIGNALING AND CARDIOPROTECTION"

11.20 – 13.20 SESSIONE III: GENETIC AND PHARMACOLOGICAL MODULATION OF CARDIOVASCULAR DISEASES

Moderatori: Proff. Tommaso Angelone, Vincenzo Lionetti, Fabio Mangiacapra, Laura Sartiani

11.30 – 13.00 Comunicazioni

1) **Brancaccio M**, et al. "OVEREXPRESSION OF THE MUSCLE SPECIFIC CHAPERONE MELUSIN DELAYS HEART FAILURE AND MORTALITY IN A MOUSE MODEL OF EMERY DREYFUS CARDIOMYOPATHY" – Università di Torino

2) **Cantafio P,** et al "CATESTATIN IMPROVES THE FRANK-STARLING RESPONSE IN NORMOTENSIVE AND HYPERTENSIVE RAT HEARTS" - Università della Calabria

3) **Casieri V**, et al. "PARKIN IS INVOLVED IN THE CARDIOPROTECTIVE EFFECT OF DIETARY PASTA INTAKE ENRICHED WITH BARLEY (1-3)BETA-D-GLUCAN ON CARDIAC ISCHEMIA REPERFUSION INJURY IN MICE" – Scuola Superiore Sant'Anna di Pisa

4) **Folino A**, et al "TRANSACTIVATION OF EGF RECEPTORS IS INVOLVED IN APELIN-INDUCED PROTECTION AGAINST ISCHEMIA-REPERFUSION INJURY", Università di Torino

5) **Marino F**, et al "PREVENTIVE AND THERAPEUTIC EFFECT OF STAT3 OR COMPLEMENT C3 DOWN-REGULATION IN TWO DIFFERENT MODELS OF AUTOIMMUNE MYOCARDITIS", Università di Torino

6) **Morano M**, et al "NRG-1 RECEPTOR ERBB3, AND NOT ERBB2 AND ERBB4, IS UP-REGULATED AFTER EX-VIVO MYOCARDIAL INFARCTION, WITH OR WITHOUT POST-CONDITIONING PROTECTION", Università di Torino

7) **Mazzoni L**, et al "RANOLAZINE REDUCES ARRHYTHMOGENICITY IN TRANSGENIC MOUSE MODELS OF HYPERTROPHIC CARDIOMYOPATHY", Università di Firenze

8) **Scavello F**, et al "CHRONIC CATESTATIN TREATMENT IMPROVES METABOLIC AND CARDIOVASCULAR COMPLICATIONS IN DIET-INDUCED OBESITY IN RATS", Università della Calabria

13.00 – 13.30 Discussione

13.30 – 14.15 Pranzo e visione dei poster

14.15 – 15.45 POSTER SESSION

Moderatori: Proff. Vincenzo Lionetti, Francesco Moccia, Pasquale Pagliaro, Federico Quaini

1) **Ariano C**, et al "METHOTREXATE AT LOW DOSES REDUCES THE RISK OF CARDIOVASCULAR MAJOR EVENTS AMONG PATIENTS WITH CHRONIC INFLAMMATORY DISEASES: RESULTS FROM A META-ANALYSIS OF OBSERVATIONAL STUDIES", Presidio Sanitario Intermedio "Elena d'Aosta", Napoli

2) **Barisione C**, et al "INDOXYL SULFATE PRIMES MONOCYTE DIFFERENTIATION INTO PRO-FIBROTIC M2 MACROPHAGES: CLINICAL IMPLICATIONS IN ABDOMINAL AORTIC ANEURYSM", Università di Genova

3) **De Vecchis C**, et al "Intravenous diuretics vs. isolated ultrafiltration for acute decompensated heart failure: a systematic review with metaanalysis", Presidio Sanitario Intermedio "Elena d'Aosta", Napoli

4) **Mancardi D**, et al "HYDROGEN SULFIDE AND CYSTATHIONINE Γ-LYASE IN THE FAILING HEART", Università di Torino

5) **Martelli C**, et al "NON-INVASIVE OPTICAL IMAGING PROCEDURES FOR THE IN VIVO EVALUATION OF CELL POPULATIONS AND MOLECULAR PROCESSES", Università di Milano

6) **Mattioli**, et al "PLATELET ACTIVATION IN EXTRACORPOREAL CIRCULATION: EFFECTS OF UNFRACTIONATED HEPARIN ON DAMAGES INDUCED BY BIO-INCOMPATIBILITY", Università di Modena e Reggio Emilia

7) **Neri T**, et al "PARTICULATE MATTER INDUCES THE EXPRESSION OF PROCOAGULANT MICROPARTICLES BY HUMAN MONONUCLEAR CELLS", Università di Pisa

8) **Paccosi S**, et al "INFLAMMATORY MOLECULES AFFECT THE INTERACTION BETWEEN HUMAN DENDRITIC CELLS AND VASCULAR SMOOTH MUSCLE CELLS", Università di Firenze

9) **Roatta S**, et al "MECHANO-SENSITIVE RAPID DILATATION IN SKELETAL MUSCLE: A NOVEL TYPE OF VASCULAR REACTIVITY", Università di Torino

10) **Tullio F**, et al "HAS TFR2 BETA ISOFORM A ROLE IN CARDIAC IRON METABOLISM AND CARDIOPROTECTION", Università di Torino

15.45 – 16.15 Key note lecture: Prof. Federico Quaini

"STEM CELLS AND CARDIAC REGENERATION"

16.15 – 17.45 SESSIONE IV: STEM/PROGENITOR CELLS

Moderatori: Proff. Rosalinda Madonna e Francesco Moccia

16.15 – 17.15 Comunicazioni

1) **Allievi L**, et al "HYPERGLICEMIC 'MEMORY' AFFECTS COMMITMENT OF $CD34^+$ CORD BLOOD-DERIVED STEM CELLS INTO FUNCTIONAL ENDOTHELIAL PROGENITOR CELLS", IRCCS Centro Cardiologico Monzino, Milano

2) **Falco A**, et al "DYNAMIC SUSPENSION CULTURE OF CARDIAC PROGENITORS TO DEVELOP INJECTABLE SCAFFOLDS FOR CARDIAC TISSUE ENGINEERING", Università di Parma

3) **Gallina G**, et al "HUMAN MESENCHYMAL STEM CELLS LABELED WITH FLUORESCENT SILICA NANOPARTICLES APPEAR TO HAVE A DIFFERENTIAL MIGRATORY BEHAVIOR IN AN *EX -VIVO* RAT MODEL OF MYOCARDIAL INFARCTION", Università di Torino

4) **Poletto V**, et al "THE INTRACELLULAR Ca^{2+} TOOLKIT REGULATES VEGF-MEDIATED GENE EXPRESSION IN NORMAL, BUT NOT TUMORAL, HUMAN CIRCULATING ENDOTHELIAL PROGENITOR CELLS", IRCCS Policlinico San Matteo, Pavia

5) **Spinelli V**, et al "MOLECULAR AND FUNCTIONAL ROLE OF REACTIVE OXYGEN SPECIES (ROS) DURING CARDIAC DIFFERENTIATION OF MOUSE EMBRYONIC STEM CELLS (MESC)", Università di Firenze

6) **Teberino MA**, et al "TRANSPLANTATION OF ADIPOSE TISSUE MESENCHYMAL CELLS CONJUGATED WITH PLGA MICROSPHERES FOSTER C-KIT+ PROGENITOR CELLS AND PROMOTES REVASCULARIZATION AND TISSUE REPAIR THROUGH PARACRINE SIGNALING IN A MURINE MODEL OF ACUTE MYOCARDIAL INFARCTION", Università "Gabriele D'Annunzio" di Chieti

17.15 – 17.45 Discussione

18.00 – 19.00 Assemblea dei Soci della Società Italiana di Ricerche Cardiovascolari