

3rd SIRC FORUM:
New Roads in Cardiovascular Research
Genova, Italy
Saturday 18 June 2016

Sala Conferenze of the Dipartimento di Medicina interna e Specialità
mediche,
School of Medicine
Genova, Italy

Meeting Directors:

Pasquale Pagliaro, Francesco Moccia, Vincenzo Lionetti, Pietro Ameri

Scientific Committee:

*Federico Quaini, Claudia Penna, Laura Sartiani, Rosalinda Madonna, Sveva Bollini,
Carlo G. Tocchetti, Fabio Mangiacapra, Tommaso Angelone*

Definitive Program

08.15 Registration/Poster Fixing

09.00 Welcome and Introduction

(Pasquale Pagliaro, Pietro Ameri, Invited Authorities)

Session #1: Researches on Vascular, Progenitor and Stem Cells (09:20-10:20)

Chairpersons (Proff. F. Moccia & F. Quaini)

09:20-09:35, **The human amniotic fluid stem cell secretome as new paracrine source to unlock endogenous cardiac regeneration**

C. Balbi (University of Genoa, Italy)

09:35-09:50, **Bone marrow remodelling in uncomplicated and severely complicated diabetic patients**

A. Falco (University of Parma, Italy)

09:50-10:05, **Cardiotoxicity by doxorubicin and tyrosine kinase inhibitors involves the resident pool of cardiac progenitors**

D. Madeddu (University of Parma, Italy)

10:05-10:20, **Experimental approaches to study the role of sphingosine 1-phosphate (S1P) in vivo**

F. Potì (University of Parma, Italy)

10:20-10:35, **NAADP elicits Ca²⁺ release from acididic stores and endoplasmic reticulum to generate intracellular Ca²⁺ signals in human endothelial progenitor cells**

E. Zuccolo (University of Pavia, Italy)

Coffee Break and Poster Viewing (10:35-11:00)

Session #2: Troubleshooting on Cardiovascular Function and Diseases (11:00-11:35)

Chairpersons (Proff. F. Quaini & V. Lionetti)

11:00-11:35, **The innovative “Spread BioOil” diet protects against myocardial ischemic injury in rats by switching off inflammation pathways**

F. Scavello (University of Calabria, Cosenza, Italy)

11:40 Meeting of the SIRC Assembly

12:00-14:00 Election of the new directive board of the SIRC

12:00-14:00 Lunch buffet and Poster Viewing

14:00-15:00 Formal Poster Presentation and Discussion

Chairpersons (Proff. C. Penna, T. Angelone, L. Sartiani, R. Madonna & S. Bollini)

PLENARY LECTURE 15:00-15:30

Introduced by Pasquale Pagliaro

Chairpersons (Proff. Rosalinda Madonna & Pietro Ameri)

Prof. Fabrizio Montecucco (University of Genova) - "Inflammation in atherogenesis: novel perspectives"

15:30-15:45 SIRC Assembly: Communication of Election Results

Session #3: Researches on Cardiac Function and Diseases (15:50-17:05)

Chairpersons (Proff. S. Bollini, F. Mangiacapra & C.G. Tocchetti)

15:50-16:05, **NLRP3 inflammasome inhibition attenuates myocardial ischemia/reperfusion injury and improves mitochondrial biogenesis in the post-ischemic rat heart**

R. Mastrocola (University of Turin, Italy)

16:05-16:20, **Cardiac overexpression of creatine kinase improves function in failing myocytes**

V. Mercurio (University of Naples “Federico II”, Naples, Italy)

16:20-16:35, **Injectable peptide based hydrogels for cardiac repair**

C. Frati (University of Parma, Parma, Italy)

16:35-16:50, Angiotensin II-induced hypertrophy of cardiomyocytes is prevented by exosomes released from sulforaphane-treated fibroblasts

G. Papini (Scuola Superiore Sant'Anna, Pisa, Italy)

16:50-17:05, Evidence for a crosstalk between ErbB2 and NOTCH-1 in cardiomyocytes

E. Lazzarini (University of Genoa, Italy)

17:05-17:20 Conclusions, Prizes and Farewell

Chairpersons (Pasquale Pagliaro, Francesco Moccia, Vincenzo Lionetti & Pietro Ameri)