

INTRODUCTION

The aim of translational cardiovascular medicine is to narrow the gap that separates basic cardiovascular research from clinical application, and to facilitate the transition of basic research into applications that will result in health and social benefits.

This meeting will focus on the most recent advances in cardiovascular surgical translational research, and on the possible ways to improve the translation of laboratory research to bedside. In addition, we aim at providing the cardiovascular surgeon with a closer look at the basic concepts of applied research, to improve the understanding the biological bases of cardiovascular diseases requiring surgery, and to facilitate the interaction between researchers and clinicians.

EDUCATIONAL CREDITS

The Italian CME credits will be provided to the following specialties: Cardiology, Cardiac Surgery, Vascular Surgery, Radiodiagnosics.

LOCATION

Aula Magna
Centro Cardiologico Monzino IRCCS
Via Parea, 4 - Milano

CONTACTS

Scientific Secretariat
Alessandro Parolari
e-mail alessandro.parolari@ccfm.it

Organising Secretariat
CQ Travel srl
20149 Milano - via Pagliano, 37
Tel. 02 3675 3900
Fax 02 4391 1650
e-mail eventi@cardiologicomonzino.it

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ECM

Dipartimento di Scienze Cardiovascolari
Università degli Studi di Milano

Under the auspice of:
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MARCH 16TH 2012

TRANSLATIONAL CARDIOVASCULAR MEDICINE: ITALIAN MEETING ON CARDIOVASCULAR SURGERY

Congress Chairmen
Francesco Alamanni
Elena Tremoli



Centro Cardiologico
Monzino

Si cura meglio dove si fa ricerca

www.cardiologicomonzino.it

FACULTY

Francesco Alamanni (*Milan, Italy*)
Ottavio Alfieri (*Milan, Italy*)
Eloisa Arbustini (*Pavia, Italy*)
Joseph E. Bavaria (*Philadelphia, USA*)
Roberto Di Bartolomeo (*Bologna, Italy*)
Giovanni Ferrari (*Philadelphia, USA*)
Cesare Fiorentini (*Milan, Italy*)
Lorenzo Menicanti (*San Donato Milanese, Italy*)
Carlos Mestres (*Barcelona, Spain*)
Davide Pacini (*Bologna, Italy*)
Domenico Paparella (*Bari, Italy*)
Alessandro Parolari (*Milan, Italy*)
Mauro Pepi (*Milan, Italy*)
Gianluca Polvani (*Milan, Italy*)
Marco Seri (*Bologna, Italy*)
Elena Tremoli (*Milan, Italy*)
Ludwig K. Von Segesser (*Lausanne, Switzerland*)
Anita Wischmeijer (*Bologna, Italy*)
Marco Zanobini (*Milan, Italy*)
Marco Zimarino (*Chieti, Italy*)

PROGRAMME

8.30 WELCOME ADDRESS
C. Ciani, S. Michelini, E. Tremoli, G. Vago, F. Alamanni, L. Menicanti

SESSION 1: TRANSLATIONAL RESEARCH AND TRANSLATIONAL MEDICINE: AN OVERVIEW

MODERATORS: **C. Fiorentini - E. Tremoli**

8.50 TRANSLATIONAL MEDICINE:
innovations and practical strategies to improve health
E. Tremoli

**9.10 BIOMARKERS AND IMAGING IN CARDIOVASCULAR
TRANSLATIONAL MEDICINE:**
a new way to approach the patient?
M. Zimarino

9.30 DISCUSSION

10.00 COFFEE BREAK

SESSION 2: VALVE DISEASE

MODERATORS: **M. Seri, M. Zanobini**

10.30 AORTIC VALVE DISEASE:
an insight into molecular mechanisms and possible
targets for the clinician.
G. Ferrari

**10.50 THE ROLE OF IMAGING MODALITIES IN PREDICTION
OF MITRAL VALVE DISEASE PROGRESSION OVER TIME**
M. Pepi

11.10 DISCUSSION

11.40 FEATURED LECTURE:
TRAINING THE CARDIOVASCULAR SURGEON OF THE
FUTURE IN TRANSLATIONAL MEDICINE:
a near-miss? an opportunity?
O. Alfieri

SESSION 3: DISEASES OF THE AORTA

MODERATORS: **R. Di Bartolomeo, G. Polvani**

12.00 THE ACUTE AORTIC SYNDROMES:
presentations, biomarkers and prognostic features.
D. Pacini

12.20 AORTIC SYNDROMES:
molecular screening and targeted molecular therapies?
E. Arbustini

12.40 SURGICAL STRATEGIES IN AORTIC SYNDROMES:
relation with outcomes.
C. Mestres

13.00 THE AORTA IN BICUSPID AORTIC VALVES:
something different?
A. Wischmeijer

13.20 DISCUSSION

13.30 LUNCH

15.00 MAIN LECTURE (introduction by D. Pacini):
THE NATIONAL REGISTRY OF GENETICALLY TRIGGERED
THORACIC AORTIC ANEURYSMS AND CARDIOVASCULAR
CONDITIONS (GENTAC):
the USA aortic translational research.
J. Bavaria

SESSION 4: CORONARY ARTERY DISEASE

MODERATORS: **F. Alamanni, L. Menicanti**

**15.40 BIOMARKERS AS PREDICTORS OF EARLY AND MID-
TERM OUTCOMES IN CORONARY BYPASS SURGERY**
A. Parolari

**16.00 THE MODULATION OF INFLAMMATORY AND HEMOSTATIC
PATHWAYS IN CORONARY BYPASS SURGERY:**
another potential field of translational medicine?
D. Paparella

16.20 DISCUSSION

16.45 FEATURED LECTURE:
RESEARCH TRANSLATED TO CLINICAL PRACTICE
AND VICEVERSA!
L. K. Von Segesser

17.15 CONCLUSIONS
F. Alamanni