

International Workshop
New Insights in Mechanisms of Vascular Diseases

Baveno, May 20th - 21st, 2005

Organized by
EXCELLENCE RESEARCH CENTER ON CARDIOVASCULAR
DISEASES, SCHOOL OF MEDICINE,
SECOND UNIVERSITY OF NAPLES

FONDAZIONE INTERNAZIONALE MENARINI

Grand Hotel Dino
Corso Garibaldi, 20 - Baveno (Verbania, Italy)

Friday, May 20th, 2005 - Morning

09.00 **F. Rossi** (Naples, I)
Welcome and introduction

Session I - Pathogenic mechanisms of vascular diseases

Chairmen: **G.F. Gensini** (Florence, I)
 A. Maseri (Milan, I)

09.15 **F. Murad** (Houston - TX, USA)
Morning Opening Lecture on: Nitric oxide-mediated signaling

09.35 **L. Cominacini** (Verona, I)
The redox control of vascular nitric oxide: a critical determinant in atherosclerosis?

09.55 **M. Aviram** (Bat-Galim - Haifa, IL)
Oxidation-sensitive mechanisms and vascular damage

10.15 Coffee break

10.45 **H.M. Piper** (Giessen, D)
Ischemia-reperfusion-induced endothelial barrier damage

11.05 **M.C. Capogrossi** (Rome, I)
p66ShcA and ischemic damage

11.25 Discussion

11.45 **L.J. Ignarro** (Los Angeles - CA, USA)
Master Lecture on: Novel issues in the pathobiology of nitric oxide
Introduced by: **C. Napoli** (Naples, I; Boston - MA, USA)

12.15 *Special Meetings with Editors*
 M. Basson (New York - NY, USA)
 Vascular damage and Scientific Journal of Excellence (NATURE MEDICINE)
 F. Gannon (Heidelberg, D)
 Vascular damage and Scientific Journal of Excellence (EMBO JOURNAL)

13.00 Lunch

Friday, May 20th, 2005 - Afternoon

Session II - Immunological mechanisms in vascular diseases

- Chairmen: **S. Romagnani** (Florence, I)
V. Sica (Naples, I)
- 14.30 **A. Maseri** (Milan, I)
Afternoon Opening Lecture on: Cardiology in the Third Millennium
- 15.00 **A. Mantovani** (Milan, I)
Innate immunological systems
- 15.20 **L. Moretta** (Genoa, I)
Cell-mediated effector mechanisms in innate immunity
- 15.40 **B. Ludewig** (St. Gallen, CH)
Viral infections and atherosclerotic disease
- 16.00 Discussion
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Saturday, May 21st, 2005 - Morning

Session III - Novel challenges in vascular diseases

- Chairmen: **E. Ambrosioni** (Bologna, I)
F. Murad (Houston - TX, USA)
- 09.00 **J.P. Lekakis** (Athens, GR)
Nutrition, lifestyle and vascular biology
- 09.20 **C. Napoli** (Naples, I; Boston - MA, USA)
Nitric oxide in vascular diseases: mechanistic insights and therapeutic implications
- 09.40 **C. Borghi** (Bologna, I)
Angiotensin-aldosterone axis and targeted clinical trials
- 10.00 Coffee break
- 10.30 **S. Novo** (Palermo, I)
Inflammation, infections and vascular diseases
- 10.50 **A.H. Baker** (Glasgow, UK)
Novel gene therapy-based approaches in vascular damage
- 11.10 Discussion
- 12.00 Concluding remarks
- 12.30 Lunch
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Dear Participants,
as Honorary President, I am very happy to welcome you to this important international workshop on "New insights in mechanisms of vascular diseases".

The arguments of this meeting are very interesting for science and the human kind, still distressed by vascular diseases.

Much work has been done in order to improve the quality of life for patients, and reduce the consequences of vascular diseases such as atherosclerosis, ischemia and immune diseases by having long remissions. However, it is my opinion that further efforts should be addressed to this, and I am sure that this meeting will offer, by discussing the molecular mechanisms underlying vascular diseases, new insights presented by outstanding scientists, and will give substantial contribution to the matter.

The workshop is composed of three sessions based on these main topics: the pathogenic mechanisms of vascular diseases, the immunological mechanisms of vascular diseases, and the novel challenges in these disorders. Novel gene therapy-based approaches to vascular damage will be also discussed. Master Lectures will cover the nitric oxide-mediated signalling, and novel issues in the pathobiology of nitric oxide. Special meetings with Editors of Scientific Journals of Excellence (Nature Medicine and EMBO Journal) will finally play the vascular damage.

Therefore, I would like to thank the Excellence Research Center on Cardiovascular Diseases, School of Medicine, Second University of Naples, and the Fondazione Internazionale Menarini for organizing this highly scientific workshop on vascular diseases.

Looking forward to seeing you in Baveno,

*Francesco Rossi
The Honorary President*

Honorary President

Francesco Rossi

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