



**E · T · R · O**

EUROPEAN THROMBOSIS RESEARCH ORGANIZATION

**XI ETRO ADVANCED TEACHING COURSE**  
**Thrombosis: a multidisciplinary approach**

**Hotel Centrum Palace, Campobasso, Italy**

**September 18-23, 2011**



**PROGRAM**

**Scientific Program**

**Posters**

**Social Program**

**Fondazione di Ricerca e Cura "Giovanni Paolo II"**  
**Campobasso**

In collaboration with *Cuore Sano* ONLUS and



SIEMENS



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Provincia di Campobasso  
Banca d'Italia

Under the auspices of



## ETRO COUNCIL

Jacek Musiał, *President*

Laszlo Muszbek, *Past President*

Hans Deckmyn, *Executive Officer*

Giovanni de Gaetano, *Honorary member*

Kenneth J Clemetson, *Board member*

Ingrid Pabinger-Fasching,  
*Representative of the Federation of European Thrombosis and Haemostasis Organisations (FETHRO)*

## SCIENTIFIC COMMITTEE AND COMMUNICATION

**Research Laboratories  
Fondazione di Ricerca e Cura “Giovanni Paolo II”, Campobasso:**

Giovanni de Gaetano  
Maria Benedetta Donati  
Chiara Cerletti  
Licia Iacoviello  
Roberto Lorenzet  
Domenico Rotilio

Antonio Mascioli, Americo Bonanni,  
Marialaura Bonaccio, Francesca de Lucia

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## Organizing Secretariat

**N.L. Congressi s.r.l.**

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# Scientific Program

**MONDAY 19 SEPTEMBER 2011**

9.00-9.15 Welcome

## **SESSION 1: INTRODUCTORY LECTURES**

Chairmen: Giovanni Scambia, Giovannangelo Oriani

9.15-10.00 Kenneth Clemetson (Bern, CH) - Platelets in primary haemostasis

10.00- 10.45 Sergio Coccheri (Bologna, IT) - Antiplatelet therapy: controversial aspects

*Break*

Chairmen: Maria Benedetta Donati, Carlo Di Falco

11.15-12.00 Pier Mannuccio Mannucci (Milano, IT) – Air Pollution and cardiovascular disease

12.00-12.45 Rosanna Abbate (Firenze, IT) - Thrombosis and acute coronary syndromes

*13.00 lunch*

## **SESSION 2: BLOOD PLATELETS**

Chairmen: Bruno Moncharmont, Domenico Santo

14.30-15.15 Alessandra Balduini (Pavia, IT) - Blood platelet production and morphology

15.15-16.00 Hans Deckmyn (Kortrijk, BE) - Blood platelet biochemistry

16.00- 16.45 Erica De Candia (Roma) - Mechanisms of platelet activation by thrombin

*Break*

Chairman: Marco De Spirito

17.00-17.45 Domenico Rotilio (Campobasso, IT) - Platelet proteomics: basic principles and technologies

17.45- 18.30 Patricia Maguire (Dublin, IR) - Novel effectors in platelets identified using proteomics and transcriptomics

*19.30 dinner*

*21.15 Concert of the chorus "Quod libet"*

## **TUESDAY 20 SEPTEMBER 2011**

### **SESSION 3: CELLULAR INTERACTIONS IN THROMBOSIS / TISSUE FACTOR**

Chairmen: Sergio Storti, Pasquale Spagnuolo

8.30-9.15 Giovanni Di Minno (Napoli, IT) - Aspirin resistance and platelet turnover: A 25-year old issue

9.15-10.00 Chiara Cerletti (Campobasso, IT) - Platelet-leukocyte interactions in thrombosis

10.00-10.45 Norma Maugeri (Milano, IT) - Platelet-leukocyte interactions in immune vascular disease

*Break*

Chairman: Virgilio Evangelista

11.15-12.00 Bjarne Østerud (Tromsø, NO) - Tissue Factor/TFPI and blood cells

12.00-12.45 Marina Camera (Milano, IT) - Tissue factor and atherosclerosis

*13.00 lunch*

### **SESSION 4: THROMBOSIS AND INFECTIONS**

Chairmen: Marco Rossi, Ada Carcagnì

14.30-15.15 Nicola Semeraro (Bari, IT) - Sepsis, thrombosis and organ dysfunction

15.15-16.00 Armando D'Angelo (Milano, IT) - Sepsis and Protein C

16.00- 16.45 Paolo Gresele (Perugia, IT) - Endothelial and platelet dysfunction in HIV patients

*Break*

Chairman: Franco Zito

17.00-17.45 Luciana Teofili (Roma, IT) - Endothelial progenitor cells and thrombosis

17.45- 18.30 Mario Colucci (Bari, IT) - Thrombin Activatable Fibrinolysis Inhibitor: at the nexus of fibrinolysis and inflammation

*19.00 Tasting of Molise wines at the Hotel*

*20.30 dinner*

## **WEDNESDAY 21 SEPTEMBER 2011**

### **SESSION 5: GENETIC DETERMINANTS OF THROMBOSIS**

Chairmen: Guido Maria Grasso, Licia Iacoviello

8.30-9.15 Licia Iacoviello (Campobasso, IT) - From candidate genes to genomewide association studies in cardiovascular disease

9.15-10.00 Kathleen Freson (Leuven, Belgio) - From genetics to epigenetics in platelet research

10.00-10.45 Alessandro Pezzini (Brescia, IT) - Genetic determinants of juvenile stroke

*Break*

Chairman: Augusto Di Castelnuovo

11.15-12.00 Francesco Bernardi (Ferrara, IT) - Functional genetics

12.00-12.45 Carlo Balduini (Pavia, IT) - Genetic isolates and thrombosis markers

*13.00 lunch*

### **SESSION 6: OTHER DETERMINANTS OF THROMBOSIS**

Chairmen: Nicola Ferrara, Americo Bonanni

14.00- 14.45 Roberto Lorenzet (Campobasso, IT) - Thrombosis and obesity: cellular bases

14.45- 15.30 Jacek Musiał (Cracow, PL) - Antiphospholipid antibodies and thrombosis

*Visit to the Roman ruins of Sepinum (buses leave at 16.00 and return at 19.00)*

*20.30 dinner*

## THURSDAY 22 SEPTEMBER 2011

### SESSION 7: CANCER, ANGIOGENESIS AND THROMBOSIS

Chairmen: Fabio Pacelli, Andreina Poggi

8.30-9.15 Hugo Ten Cate (Maastricht, NL) - Thrombin generation in clinical conditions

9.15-10.00 Maria Benedetta Donati (Campobasso, IT) - Cancer and thrombosis: 40 years of research

10.00-10.45 Anna Falanga (Bergamo, IT) - Anticancer treatment and thrombosis

*Break*

Chairman: Antonio Mascioli

11.15-12.00 Francesca Elice (Vicenza, IT) - Onco-haematologic disease and thrombosis

12.00-12.45 Lina Badimon (Barcellona, ES) - Angiogenesis and thrombosis

*13.00 lunch*

### SESSION 8: RISK FACTORS FOR THROMBOSIS

Chairmen: Gabriella Ferrandina, Maurizio Gasperi

14.30-15.15 Ingrid Pabinger (Vienna, AU) - Pregnancy and thrombosis

15.15-16.00 Per Morten Sandset (Oslo, NO) - Hormone therapy and thrombosis

16.00- 16.45 Giovanni Davì (Chieti, IT) - Diabetes and thrombosis

*Break*

Chairman: Alessio Morganti

17.00-17.45 Francesco Violi (Roma, IT) - Oxidative stress and thrombosis

17.45- 18.30 Laszlo Muszbek (Debrecen, HU) - Factor XIII, clot structure and thrombosis

*Visit to "pastificio La Molisana" (buses leave from Hotel at 19.00)*

### MEDITERRANEAN LECTURE

Chairman: Giovanni de Gaetano

19.40- 20.10 Salvatore Panico (Napoli, IT) - Dietary Mediterranean pattern and chronic disease; a path to healthier populations?

*Dinner at "pastificio La Molisana" (buses return to Hotel at 22.30/23.00)*

## **FRIDAY 23 SEPTEMBER 2011**

### **SESSION 9: OLD AND NEW ANTITHROMBOTIC DRUGS**

Chairmen: Maurizio Tagliatela, Giuseppe Lembo

8.30-9.15 Marco Cattaneo (Milano, IT) - Old and new antiplatelet drugs

9.15-10.00 Gualtiero Palareti (Bologna, IT) - Old and new heparins

10.00-10.45 Cecilia Becattini (Perugia, IT) - Old and new oral anticoagulants

*Break*

### **CLOSING LECTURE**

Chairmen: Chiara Cerletti, Nicola Ciavarella

11.15-12.00 Giovanni de Gaetano (Campobasso, IT) - The Mediterranean Diet

### **CONCLUSIONS**

12.00-12.20 Jozef Vermeylen (Leuven, BE) - Thrombosis today and tomorrow

*12.45 lunch*

*END OF THE COURSE*

**THE COURSE HAS RECEIVED 23 CREDITS FROM THE ITALIAN MINISTRY OF HEALTH C.M.E.**

## Posters

- 1. PITUITARY ADENYLATE CYCLASE-ACTIVATING POLYPEPTIDE (PACAP) IMPAIRS APOPTOSIS DURING MEGAKARYOPOIESIS BY ACTIVATING NF-KB: A PROTEOMIC STUDY.** Di Michele M<sup>1</sup>, Peeters K<sup>1\*</sup>, Loyen S<sup>1</sup>, Waelkens E<sup>2</sup>, Overbergh L<sup>3</sup>, Hoylaerts M<sup>1</sup>, Van Geet C<sup>1,4</sup>, Freson K<sup>1</sup>. <sup>1</sup>Center for Molecular and Vascular Biology, <sup>2</sup>Laboratory of Biochemistry, <sup>3</sup>Laboratory for Experimental Medicine and Endocrinology, <sup>4</sup>Department of Pediatrics, University Hospital Leuven, K.U.Leuven, Leuven, Belgium
- 2. EFFECTS OF CIGARETTE SMOKING ON HUMAN PLATELET PROTEOME.** Anna Della Corte, Chiara Tamburrelli, Marilena Crescente, Maria Barisciano, Marco D'Imperio, Michela Di Michele, Maria Benedetta Donati, Giovanni de Gaetano, Domenico Rotilio, Chiara Cerletti. Research Laboratories, [Fondazione di Ricerca e Cura "Giovanni Paolo II"](#), Catholic University, Campobasso, Italy
- 3. FOUR-WEEK INGESTION OF BLOOD ORANGE JUICE RESULTS IN MEASURABLE ANTHOCYANIN URINARY LEVELS BUT DOES NOT AFFECT CELLULAR MARKERS RELATED TO CARDIOVASCULAR RISK: A RANDOMIZED CROSS-OVER STUDY IN HEALTHY VOLUNTEERS.** L. Giordano<sup>1</sup>, W. Coletta<sup>1</sup>, C. Tamburrelli<sup>1</sup>, M. D'Imperio<sup>1</sup>, M. Crescente<sup>1</sup>, C. Silvestri<sup>1</sup>, P. Rapisarda<sup>2</sup>, G. Reforgiato Recupero<sup>2</sup>, A. De Curtis<sup>1</sup>, L. Iacoviello<sup>1</sup>, G. de Gaetano<sup>1</sup>, D. Rotilio<sup>1</sup>, C. Cerletti<sup>1</sup> and M.B. Donati<sup>1</sup>. <sup>1</sup>Fondazione di Ricerca e Cura "Giovanni Paolo II", Campobasso, Italy and <sup>2</sup>Istituto Sperimentale per l'Agromicoltura, Acireale, Italy
- 4. IDENTIFICATION OF THE MECHANISMS THROUGH WHICH CONJUGATED LINOLEIC ACID (CLA) INHIBITS THE ATHEROGENIC MONOCYTE-MACROPHAGE PHENOTYPE.** Monica de Gaetano, Desmond J Fitzgerald, Orina Belton. School of Biomolecular and Biomedical Sciences, Conway Institute, University College Dublin, Dublin, Ireland
- 5. 15-DEOXY-DELTA12,14-PROSTAGLANDIN J2 TARGETS THE PROTEASOME PATHWAY TO INHIBIT HUMAN ENDOTHELIAL CELLS-MONOCYTES INTERACTIONS.** Simone Marcone and Desmond J Fitzgerald. School of Medicine and Medical Sciences, UCD, Conway Institute, Dublin, Ireland
- 6. DETERMINANTS OF PLATELET PARAMETERS IN THE HEALTHY POPULATION OF THE MOLI-SANI PROJECT.** Iolanda Santimone, Augusto Di Castelnuovo, Amalia De Curtis, Maria Spinelli, Daniela Cugino, Maria Benedetta Donati, Chiara Cerletti, Giovanni de Gaetano, Licia Iacoviello, on behalf of the Moli-sani Project Investigators. Research Laboratories, [Fondazione di Ricerca e Cura "Giovanni Paolo II"](#), Catholic University, Campobasso, Italy
- 7. STICKY PLATELET SYNDROME - FAMILIAL THROMBOCYTOPATHY ASSOCIATED WITH THROMBOSIS.** Lenka Bartošová\*, Radoslava Šimonová-Čamajová, Ján Staško, Peter Kubisz. National Center of Hemostasis and Thrombosis, Jessenius Faculty of Medicine, Comenius University, Martin, Slovakia
- 8. RECOMBINANT ACTIVATED FACTOR VII FOR THE TREATMENT OF BLEEDING IN OFF-LABEL INDICATIONS – A SINGLE CENTRE'S EXPERIENCE.** Pavol Holly\*, Ivana Plameňová, Miroslava Dobrotová, Lenka Bartošová, Peter Kubisz. National Center of Hemostasis and Thrombosis, Jessenius Faculty of Medicine, Comenius University, Martin, Slovakia
- 9. THE INVOLVEMENT OF FACTOR XIII IN THE IMPAIRED FIBRINOLYSIS OF PATIENTS WITH FACTOR V LEIDEN MUTATION.** Zsuzsa Koncz<sup>1,2</sup>, Zsuzsa Bagoly<sup>1</sup>, Zoltan Andras Mezei<sup>1</sup>, Zsolt Olah<sup>2</sup>, Robert A.S. Ariëns<sup>3</sup>, Laszlo Muszbek<sup>1,4</sup>. <sup>1</sup>Clinical Research Center and <sup>2</sup>2<sup>nd</sup> Department of Medicine, Hemostasis Division, University of Debrecen, Medical and Health Science Center, Debrecen, Hungary <sup>3</sup>Division of Cardiovascular and Diabetes Research, Leeds Institute for Genetics Health and Therapeutics, Faculty of Medicine and Health, University of Leeds, Leeds, United Kingdom <sup>4</sup>Thrombosis, Haemostasis and Vascular Biology Research Group of the Hungarian Academy of Sciences, University of Debrecen, Medical and Health Science Center, Debrecen, Hungary

10. **CHARACTERISATION OF FUNCTIONAL INACTIVE ANTITHROMBIN VARIANTS CAUSING THROMBOSIS – A SUB STUDY OF “NEW TECHNOLOGIES FOR INTERVENTION WITH CONFORMATIONAL DISEASE.** Alice Østergaard, Shona Pedersen, Søren Risom Kristensen. Department of Clinical Biochemistry, Aalborg Hospital, Aarhus University Hospital, Denmark
11. **HEREDITARY ACTIVATED PROTEIN C RESISTANCE: CLINICAL MANIFESTATION.** <sup>1</sup>Radoslava Šimonová-Čamajová\*, <sup>1</sup>Ivana Plameňová, <sup>2</sup>Miloš Jeseňák, <sup>1</sup>Juraj Sokol, <sup>1</sup>Juraj Chudej, <sup>1</sup>Lenka Bartošová, <sup>1</sup>Peter Kubisz, <sup>1</sup>Ján Staško. <sup>1</sup>National Center of Hemostasis and Thrombosis and <sup>2</sup>Clinic of Children and Adolescents, Jessenius Faculty of Medicine, Comenius University, Martin, Slovakia
12. **THE PREVALENCE OF THE G20210A PROTHROMBIN GENE POLYMORPHISM IN HEALTHY SLOVAK POPULATION AND IN PATIENTS WITH THROMBOPHILIA.** Daniela Kotuličová\*, Juraj Chudej, Peter Chudý, Miroslava Dobrotová, Jela Ivanková, Ján Staško, Peter Kubisz. National Center of Hemostasis and Thrombosis, Jessenius Medical Faculty, Comenius University, Martin, Slovakia
13. **SELECTED HAEMOSTATIC PARAMETERS IN PATIENTS WITH MULTIPLE MYELOMA.** Juraj Sokol\*, Emília Flochová, Radoslava Šimonová-Čamajová, Juraj Chudej, Ján Staško, Peter Kubisz. National Center of Hemostasis and Thrombosis, Clinic of Hematology and Transfusiology, Jessenius Faculty of Medicine, Comenius University, Martin, Slovakia
14. **TOTAL UPA MEASUREMENTS IN HUMAN PLASMA - DEVELOPMENT AND VALIDATION OF A SANDWICH ELISA.** Daniel Elenius Madsen. University of Southern Denmark, Institute of Public Health Thrombosis Research, Hospital of South West Denmark, Department of Clinical Biochemistry, Esbjerg, Denmark
15. **THE DOSE MODIFYING EFFECT OF VKORC 9041G>A AND 6009C>T GENEPOLIMORPHISMS IN ACENOCOUMARINE ANTICOAGULATED HUNGARIAN OUTPATIENTS.** <sup>1</sup>Réka Mózes, <sup>1</sup>Hajna Losonczy, <sup>1</sup>Orsolya Tóth, <sup>2</sup>Barbara Réger, <sup>3</sup>Béla Melegh <sup>1</sup>Ágnes Nagy. <sup>1</sup>1<sup>st</sup>Department of Internal Medicine, <sup>2</sup> Department of Laboratory Medicine, <sup>3</sup> Department of Human Genetics, University of Pécs, Hungary
16. **THE INFLUENCE OF GENES, DIET, PHYSICAL ACTIVITY AND SOCIO-PSYCHOLOGICAL FACTORS ON VITAMIN K-ANTAGONIST DOSE.** Jane Skov<sup>1</sup>, Else-Marie Bladbjerg<sup>1</sup>, Morten Arendt Rasmussen<sup>3</sup>, Johannes Sidelmann<sup>1</sup>, Anja Leppin<sup>2</sup> og Jørgen Jespersen<sup>1</sup>. <sup>1</sup>Unit for Thrombosis Research and <sup>2</sup>Unit for Health Promotion, University of Southern Denmark, Esbjerg; <sup>3</sup>Department of Food Science and Technology, University of Copenhagen, Denmark
17. **THERAPEUTIC ANGIOGENESIS FOR CRITICAL LIMB ISCHEMIA - OUR EXPERIENCE.** \*Peter Chudý<sup>1</sup>, Ján Hudeček<sup>1</sup>, Igor Šinák<sup>2</sup>, Renáta Talapková<sup>2</sup>, Ľuboš Hlinka<sup>2</sup>, Lenka Patkaňová<sup>2</sup>, Daniela Kotuličová<sup>1</sup>, Juraj Chudej<sup>1</sup>, Ľudovít Laca<sup>2</sup>, Peter Kubisz<sup>1</sup>. <sup>1</sup>National Center of Hemostasis and Thrombosis, and <sup>2</sup>Department of Transplantation and Vascular Surgery, Jessenius Medical Faculty, Comenius University, Martin, Slovakia
18. **DOWNREGULATION OF TISSUE FACTOR EXPRESSION IN HUMAN BREAST CARCINOMA CELLS BY INHIBITION OF THE RENIN-ANGIOTENSIN SYSTEM.** Napoleone E<sup>a</sup>, Cutrone A<sup>a</sup>, Cugino D<sup>a</sup>, Amore C<sup>b</sup>, Di Santo A<sup>b</sup>, Iacoviello L<sup>a</sup>, de Gaetano G<sup>a</sup>, Donati MB<sup>a</sup>, Lorenzet R<sup>a</sup>. <sup>a</sup>Laboratori di Ricerca, Fondazione di Ricerca e Cura “Giovanni Paolo II”, Campobasso, and <sup>b</sup>Istituto Ricerche Farmacologiche Mario Negri, Consorzio Mario Negri Sud, S. Maria Imbaro, Italy

# Social Program

## SUNDAY 18 SEPTEMBER 2011

Arrivals

20.00 dinner at the Hotel

## MONDAY 19 SEPTEMBER 2011

19.45 dinner at the Hotel

21.15 Chiesa Santa Maria della Croce (15 min walking distance from the Hotel)

Concert of the chorus "Quod libet": Sacred and Profane Love songs

## TUESDAY 20 SEPTEMBER 2011

19.00 Tasting of Molise wines, offered by the Associazione Italiana Sommeliers Molise, in collaboration with the cheese factory Valmolise, at the Hotel

20.30 dinner at the Hotel

## WEDNESDAY 21 SEPTEMBER 2011

16.00 bus departure from the Hotel

16.30 - 19.00 Visit to the Roman ruins of Sepinum

19.00 bus return to the Hotel

20.30 dinner at the Hotel

## THURSDAY 22 SEPTEMBER 2011

19.00 bus departure from the Hotel

Visit to "Pastificio La Molisana "

MEDITERRANEAN LECTURE

Prof. Salvatore Panico: Dietary Mediterranean pattern and chronic disease; a path to healthier populations?

Show cooking by the Italian chef Nicola Vizzarri and dinner offered by "Pastificio La Molisana"

22.30/23.00 bus return to the Hotel