



UNIVERSITÀ
DEGLI STUDI
DI MILANO

RED CELL BIOLOGY THIRTY YEARS AFTER

Milan (Italy), September 24-26, 2015

Organized by:

DIPARTIMENTO DI SCIENZE CLINICHE E DI COMUNITÀ
UNIVERSITÀ DEGLI STUDI DI MILANO
FONDAZIONE IRCCS CA' GRANDA
OSPEDALE MAGGIORE POLICLINICO

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MENARINI

PROGRAM

Aula Magna

Università degli Studi di Milano



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In 1982, a convention was held in Florence called “Advances in Red Blood Cell Biology”, organised by Prof. Gemino Fiorelli with the sponsorship of the Fondazione Menarini. It was a very successful event as for the first time it brought to the attention of clinicians the results of molecular biology relating to red blood cells that could be used in clinical practice, with special focus on the metabolism of iron, the haemoglobinopathies, and anaemia due to enzymatic and haemolytic deficiencies. This was the beginning of molecular biology for the red blood cell.

From 24 to 26 September 2015, a conference entitled “Red Blood Cell Biology: thirty years on” will be held at the University of Milan, to address all the scientific discoveries and the clinical implications that have taken place during the course of these last thirty years since the first conference. International and national speakers will be participating who have made significant contributions to the development of research in the same sectors discussed at the previous conference (iron, haemoglobinopathies, erythrocyte enzymes and haemolysis), and some of whom are students of the great schools represented at the 1982 conference.

The knowledge acquired over the years in relation to red blood cells is the example of how basic research integrates with clinical practice, generating new methods for diagnosing and treating diseases. In this sense the conference to be held in Milan also wants to offer an example of research methodology applied to clinical practice and therefore, it is targeting all those who operate in the various clinical disciplines (haematology, internal medicine, paediatrics) with a special invitation to all the young people who will become increasingly more involved in the molecular approach to medicine.

Maria Domenica Cappellini

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Sistema Sanitario Regione Lombardia



President of the Meeting
Maria Domenica Cappellini

Scientific Secretariat
Maria Domenica Cappellini

Scientific Committee
G. Vago - L. Luzzatto - S. Fargion - M. Cazzola - C. Camaschella
A. Iolascon - A. Piperno - L. De Franceschi - D. Weatherall
C. Hershko - A. Taher - A. Zanella

Promoted by:
Fondazione Internazionale Menarini
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Organizing Secretariat - Provider
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Via Lavoratori Autobianchi, 1
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Phone: +39 0362 581579 – Fax: +39 0362 1860074
E-mail: angela.volpe@avec-eventi.com / claudia.cislighi@avec-eventi.com

Thursday, September 24, 2015 – Afternoon

14.00 – 14.30 **G. Vago** (Milan I), **L. Luzzatto** (Florence, I)
Introduction

Session I: Hemoglobinopathies

Chairpersons: **G. L. Forni** (Genoa, I), **L. Luzzatto** (Florence, I)

14.30 – 15.00 **D. Higgs** (Oxford, UK)
Opening Lecture

15.00 – 15.30 **S. Rivella** (Philadelphia, USA)
New Therapeutic approaches to Thalassemia excluding
gene therapy

15.30 – 16.00 **G. Ferrari** (Milan, I)
RBC monogenic diseases gene therapy

16.00 – 16.30 **A. Taher** (Beirut, L)
Non transfusion dependent thalassemia (NTDT)

16.30 – 17.00 *Coffee break*

17.00 – 17.30 **L. De Franceschi** (Verona, I)
Pathophysiology of SCD

17.30 – 18.00 **M. De Montalembert** (Paris, F)
New therapeutic approaches to SCD

18.00 *Welcome Ceremony*

Session II: Iron

Chairpersons: **P. Arosio** (Brescia, I), **C. Hershko** (Jerusalem, IL)

09.00 – 09.30 **T. Ganz** (Los Angeles, USA)
New insight in iron metabolism

09.30 – 10.00 **A. Piperno** (Milan, I)
Hereditary iron overload

10.00 – 10.30 **M. Muckenthaler** (Heidelberg, D)
Iron refractory iron deficiency anemia (IRIDA)

10.30– 11.00 Coffee break

Chairpersons: **A. Piga** (Turin, I), **R. Origa** (Cagliari, I)

11.00 – 11.30 **S. Fargion** (Milan, I)
Iron in metabolic syndromes

11.30 – 12.00 **J.B. Porter** (London, UK)
New era of iron chelation

12.00 – 12.30 **D. Girelli** (Verona, I)
Iron chelation in iron loading anemia

12.30 – 13.30 *Buffet Lunch*

Friday, September 25, 2015 - Afternoon

Session III: Anemia and G6PD

Chairpersons: **A. Zanella** (Milan, I), **C. Borgna** (Ferrara, I)

13.30 – 14.00 **L. Luzzatto** (Florence, I)
G6PD deficiency

14.00 – 14.30 **W. Barcellini** (Milan, I)
AIHA: diagnostic approach

14.30 – 15.00 **A.M. Risitano** (Naples, I)
Parosysmal nocturnal hemoglobinuria (PNH)

15.00 – 15.30 **A. Iolascon** (Naples, I)
Congenital dyserythropoietic anemia (CDA)

15.30 – 16.00 *Coffee break*

16.00 – 16.30 **G. Weiss** (Innsbruck, A)
Anemia of chronic diseases

16.30 – 17.00 **S. Levi** (Milan, I)
Disorders of neurosiderosis

Saturday, September 26, 2015 - Morning

Session IV: Discussion of case vignette / Cases discussion

Chairpersons: **M.D. Cappellini** (Milan, I), **A. Iolascon** (Naples, I)

09.00 – 09.30 Cases on thalassemia and Sickle Cell disease (SCD)
G. Graziadei (Milan, I), **E. Vencato** (Verona, I)

09.30 – 10.00 Cases on Iron overload
I. Pelloni (Monza, I) **S. Pelusi** (Milan, I)

10.00 – 10.30 Cases on hemolytic anemia
B. Fattizzo (Milan, I)

10.30 – 11.00 Cases on other anemias
I. Andolfo (Naples, I)

11.00 – 11.30 Concluding remarks
M.D. Cappellini (Milan, I)

11.30 – 12.30 Brunch

GENERAL INFORMATION

Meeting venue

Aula Magna – Università degli Studi di Milano – Via Festa del Perdono, 7 - I-20122 Milan (Italy).

Registration hours

The Registration Desk will be open during the following hours:

Thursday, September 24: 1.00 p.m. to 2.00 p.m.

Friday, September 25: 08.00 a.m. to 05.00 p.m.

Saturday, September 26: 08.00 a.m. to 01.00 p.m.

Official language

English. Simultaneous translation will not be provided.

Registrations

No registration fee is required to attend the Conference. Please return the registration form to:

AVEC S.r.l. - Incentive Paintings - Angela Volpe / Claudia Cislaghi

Via Lavoratori Autobianchi, 1 - c/o Polo Tecnologico Brianza - Edificio 9 - Ufficio 14 - I-20832 Desio (MB, Italy)

Phone: +39 0362 581579 – Fax: +39 0362 1860074

E-mail: angela.volpe@avec-eventi.com / claudia.cislaghi@avec-eventi.com

CME Accreditation

The application for CME accreditation has been submitted for Italian Physicians.

The CME credits will be awarded only after full attendance of all sessions.

Completion of the Registration Form, the Learning & Assessment questionnaires are compulsory.

European Accreditation

An application has been submitted to the EACCME for CME accreditation of this event.

Technical facilities

A Slide Center with PCs (Windows and Macintosh operating systems) will be available for Speakers to preview and finalize their presentations.

Speakers are kindly requested to submit their presentations on USB flash drive, CD or DVD to the Slide Center technicians at least one hour before their talks.

Slide Centre opening hours:

Thursday, September 24: 05.00 p.m. to 05.45 p.m.

Friday, September 25: 08.00 a.m. to 05.00 p.m.

Saturday, September 26: 08.00 a.m. to 01.00 p.m.

Lunches and coffee breaks

Lunches and coffee breaks will be provided within the conference premises.

Abstracts book

The participants will receive the Abstracts Book at the conference.

Attendance certificate

The attendance certificate will be issued at the accreditation desk following full attendance at the Conference.

LIST OF SPEAKERS, DISCUSSANTS, CHAIRPERSONS AND CO-PRESIDENTS OF THE MEETING

Andolfo Immacolata

CEINGE - Advances Biotechnologies
University Federico II
Naples (Italy)

Arosio Paolo

Dipartimento Materno Infantile/Tecnologie Biomediche
Università degli Studi di Brescia
Brescia (Italy)

Barcellini Wilma

UOC Oncoematologia
Fondazione IRCCS Ca' Granda
Ospedale Maggiore Policlinico
Milan (Italy)

Borgna Caterina

Dipartimento di Scienze Mediche
Sezione di Pediatria
Università degli Studi di Ferrara
Ferrara (Italy)

Cappellini Maria Domenica

Dipartimento Scienze Cliniche e di Comunità
Università degli Studi di Milano
Fondazione IRCSS Ca' Granda
Ospedale Maggiore Policlinico
Milan (Italy)

De Franceschi Lucia

Dipartimento di Medicina
Università degli Studi di Verona
Policlinico G.B. Rossi
Verona (Italy)

De Montalembert Mariane

Department of Paediatrics
Hôpital Necker - Enfants Malades
Paris (France)

Fargion Silvia

Department of Pathophysiology and Transplantation
University of Milan
Fondazione IRCCS Ca' Granda
Ospedale Maggiore Policlinico
Milan (Italy)

Fattizzo Bruno

U.O. Ematologia e Centro Trapianti di Midollo
Università degli Studi di Milano
Fondazione IRCCS Ca' Granda
Ospedale Maggiore Policlinico
Milan (Italy)

Ferrari Giuliana

TIGET Unit
Università Vita Salute San Raffaele
Milan (Italy)

Forni Gianluca

S.S.D. Ematologia
Ospedale Galliera
Genoa (Italy)

Ganz Tomas

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University of California
Los Angeles (USA)

Girelli Domenico

Dipartimento Medicina Interna - Malattie del Ferro
Azienda Ospedaliera Universitaria Integrata di Verona
Ospedale Borgo Roma
Verona (Italy)

Graziadei Giovanna

Rare Diseases Center
Department of Medicine and Medical Specialties
Fondazione IRCCS Ca' Granda
Ospedale Maggiore Policlinico
Milan (Italy)

Hershko Chaim

Internal Medicine
Shaare Zedek Medical Center
Jerusalem (Israel)

Higgs Douglas

MRC Molecular Haematology Unit
Weatherall Institute of Molecular Medicine
Oxford (United Kingdom)

Iolascon Achille

CEINGE - Advanced Biotechnologies
Dept. of Molecular Medicine and Medical Biotechnologies
University Federico II
Naples (Italy)

Levi Sonia

Division of Neuroscience
Vita Salute San Raffaele University
Milan (Italy)

Luzzatto Lucio

Istituto Toscano Tumori
Florence (Italy)

Maggio Aurelio

Dipartimento di Ematologia e Oncologia
A.O.O.R. "Villa Sofia-Cervello"
Palermo (Italy)

Muckenthaler Martina

Department of Pediatric Oncology, Hematology, Immunology
and Pneumology
Otto-Meyerhof-Zentrum
Heidelberg (Germany)

Origa Raffaella

Biomedical Sciences and Biotechnology
Regional Microcythemia Hospital
University of Cagliari
Cagliari (Italy)

Pelloni Irene

Internal Medicine
Azienda Ospedaliera San Gerardo
Monza (Italy)

Pelusi Serena

Centro di Studio e Cura delle Malattie Metaboliche del Fegato
Hepatology and Internal Medicine
Fondazione IRCCS Ca' Granda
Ospedale Maggiore Policlinico
Milan (Italy)

Piga Antonio

Division of Pediatrics & Thalassemia Centre
Dept. of Clinical and Biological Sciences
University of Turin
San Luigi Gonzaga University Hospital
Turin (Italy)

Piperno Alberto

Clinica Medica
Azienda Ospedaliera San Gerardo
Monza (Italy)

Porter John

Department of Haematology
University College London
London (United Kingdom)

Risitano Antonio Maria

Division of Hematology
University Federico II
Naples (Italy)

Sankaran Vijay

Division of Hematology/Oncology
Boston Children's Hospital
Boston (USA)

Taher Ali

Division of Hematology/Oncology
American University of Beirut Medical Center
Beirut (Lebanon)

Vago Gianluca

Rettore
Università degli Studi di Milano
Milan (Italy)

Vencato Elisa

Department of Internal Medicine
University of Verona and AOUI-Verona
Verona (Italy)

Weiss Guenter

Division of Clinical Immunology and Infectious Diseases
Medical University of Innsbruck
Innsbruck (Austria)

Zanella Alberto

U.O. Ematologia e Centro Trapianti di Midollo
Fondazione IRCCS Ca' Granda
Ospedale Maggiore Policlinico
Milan (Italy)

Registration form

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Milan (Italy), September 24-26, 2015

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Physician

Postgraduate

Surname		Name	
Title		Professional area	
Institute			
Address			
City		Postcode	Country
Telephone		Mobile	Fax
E-mail			

Attendance at the Congress is free of charge. Please return the registration form to:
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Via Laboratori Autobianchi, 1 - c/o Polo Tecnologico Brianza - Edificio 9 - Ufficio 14
I-20832 Desio (MB), Italy - Phone: +39 0362 581579 - Fax: +39 0362 1860074
E-mail: claudia.cislaghi@avec-eventi.com

Date	Signature
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RE: Informative note pursuant to art. 13 of Legislative Decree 196/2003

Dear Client, this is to inform you that the processing of your personal data will be carried out in our company in full compliance with Law /2003. As established by this law, the processing will be based on the principles of correctness, lawfulness and transparency in order to protect your confidentiality and rights.

- 1) Pursuant to art. 13 we inform you that the data collected will be used for the following purposes:
- Organization of events, travel incentives, congresses and conventions: performance of bureaucratic procedures, reservation of tickets for transport, hotels, tourist services; organisational logistics, etc., and/or performance of accreditation procedures (ECM);
 - Taxation and accounting obligations;
 - Operational and managerial requirements;
 - Possible forwarding of informative and promotional material relating to our sector in printed form or electronically.

- 2) For data required to fulfil obligations envisaged by law, regulations and Community legislation or provisions issued by legally empowered authorities and vigilance and control bodies, and to perform our business activities and fulfil our accounting, taxation and corporate organisational obligations, we are not required to obtain your consent and failure to provide such data will make it impossible to continue the relationship to the extent that said data are necessary for performance of the same.

The purchase of products and services marketed by AVEC SRL enables the latter to forward informative, advertising and promotional material relating to its sector of expertise in compliance with the methods indicated in point 1/d), pursuant to art. 130 subsection 4 of Legislative Decree 196/2003 and point 6 of the provision 'Simplification of certain requirements in the public and private domain concerning data processing for administrative and accounting purposes' - 19 June 2008 *Gazzetta Ufficiale* (Official Bulletin) no. 152 dated 1 July 2008. Should you decide to object to the processing operations for commercial purposes, said refusal/objection will not have any consequences of any kind. The providing of personal data in order to receive advertising and informative material relating to our area of expertise either in printed form or electronically is entirely optional. Should you decide to object to the processing operations for commercial purposes, said refusal/objection will not have any consequences of any kind.

- 3) The personal data are processed by the persons in charge who are assigned to said processing in order to ensure correct fulfilment of the purposes indicated in point 1) via electronic instruments and printed files, also via use of safety measures aimed at guaranteeing the confidentiality of the personal data and preventing undue access by unauthorised subjects. Said data will not be subject to disclosure.

Data may be disclosed to the following subjects in their capacity as autonomous data processing controllers and/or in charge of external processing:

- accountants for bookkeeping and taxation obligations;
- attorneys for legal assistance for contractual purposes and management of litigation;
- entities/companies which collaborate with our company in the various sectors, for reasons strictly connected to the purposes set forth in point 1;
- banks and credit institutions.

You may contact the processing controller and persons in charge in order to exercise your rights as set forth in article 7 of Legislative Decree no. 196/2003, that is, the confirmation of the existence or otherwise of the data concerning you, the erasure, anonymization and blocking of data that has been processed unlawfully, the updating, rectifying or integrating of data, certification to the effect that the operations have been notified to the entities to whom or which said data were communicated or disseminated. The right to object to the processing of personal data for the commercial purposes set forth in point 1 d), where it is carried out via automated contact means, shall also be extended to traditional means without prejudice to the possibility for the interested party to exercise this right in part, pursuant to art. 7, subsection 4, letter b), of the Code, that is, by only objecting for example to the sending of promotional communications with the help of automated means. All requests may be forwarded by email to: info@avec-eventi.com by phone to: 0362/ 581579 , or by fax to 0362/1860074.

- 4) The data controller is: **AVEC SRL Via Lavoratori, Autobianchi, 1 - Lotto 9/Uff.14 - 20832 – Desio (MB)**

- 5) The person in charge of the processing is: **Volpe Angela**

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If you do not wish to receive such material mark a cross in the box alongside and send this informative note back to us by email or fax duly signed and stamped. The interested party's right to object to the processing of personal data for the commercial purposes set forth in point 1 d), where it is carried out via automated contact means, shall also be extended to traditional means without prejudice to the possibility for the interested party to exercise this right in part, pursuant to art. 7, subsection 4, letter b), of the Code, that is, for example by only objecting to the sending of promotional communications with the help of automated means. Therefore, in the case of any objections, we invite you to specify in detail*, whether you intend to totally object to the purposes in 1/e, or only to some of the methods (e.g. objection to sending by fax or email etc.). In case of a general objection then you will not be contacted personally, telephonically or by email in relation to the promotional activities and initiatives proposed by the company.

*REMARKS: _____ Signature for acceptance _____

