



## ***Storage of red blood cells and clinical outcomes: new insights***

September 9 2016

organized by

Italian National Institute of Health – Italian National Blood Centre

### ***Conference schedule***

- 09.30 - 10.00 Registration  
10.00 - 10.15 Welcome address  
*Walter Gualtiero Ricciardi*  
10.15 - 10.30 Introduction  
*Giancarlo Maria Liumbruno*

Session I Chairpersons: *Claudio Velati, Antonio Colantuoni*

- 10.30 - 11.00 Update on anaerobic storage of red blood cells  
*Tatsuro Yoshida*  
11.00 - 11.30 The effect of anaerobic storage on the rheological properties of red blood cells  
*Sergey S. Shevkoplyas*  
11.30 - 12.00 Impact of genetic predispositions, diet, and environment on storage of red blood cells  
*Steven L. Spitalnik*  
12.00 - 12.30 Red blood cell storage metabolomics and integrated omics  
*Angelo D'Alessandro*  
12.30 - 13.00 Debate  
13.00 - 14.00 Lunch

Session II Chairpersons: *Giuliano Grazzini, Gianluca Forni*

- 14.00 - 14.30 The effects of red blood cell storage duration on markers of extravascular haemolysis and hepcidin  
*Francesca Rapido*  
14.30 - 15.00 The destruction of transfused red blood cells: preliminary study results  
*Eldard Hod*  
15.00 - 15.30 Pathogen inactivation techniques and red blood cell storage  
*Marcia Cardoso*  
15.30 - 16.00 How to reduce red blood cell storage lesions: modify storage conditions, additive solutions or both?  
*Larry J. Dumont*  
16.00 - 16.30 Debate  
16.30 - 16.45 Learning Test  
16.45 - 17.00 Closing remarks  
*Giancarlo Maria Liumbruno*



## **SPEAKERS AND CHAIRPERSONS**

**Marcia Cardoso:** Global Sr. Scientific Marketing Manager, Blood Center Segment, Terumo BCT - Belgium

**Antonio Colantuoni:** President of the Italian Society of Clinical Hemorheology and Microcirculation | President of the Physiological Society of Italy | Department of Clinical Medicine and Surgery, Università di Napoli Federico II

**Angelo D'Alessandro:** Metabolomics Core Director, University of Colorado Denver - Aurora, CO, USA

**Larry J. Dumont:** Associate Director and Senior Investigator, Blood Systems Research Institute - Denver, CO, USA

**Gianluca Forni:** President of the Italian Society for Thalassemia and Hemoglobinopathies | Department of Medicine and Surgery, Università di Napoli Federico II - Naples

**Giuliano Grazzini:** Former Director, Italian National Blood Centre, Italian National Institute of Health - Rome

**Eldard Hod:** Associate Professor, Department of Pathology and Cell Biology | Director, Center for Advanced Laboratory Medicine | Co-Director, Laboratory of Transfusion Biology, Columbia University Medical Center - New York, NY, USA

**Giancarlo Maria Liumbruno:** Director, Italian National Blood Centre, Italian National Institute of Health - Rome

**Francesca Rapido:** Department of Pathophysiology and Transplantation, Università degli Studi di Milano | Department of Pathology and Cell Biology, Columbia University College of Physicians and Surgeons, New York Presbyterian Hospital - New York, NY, USA

**Sergey S. Shevkopyas:** Associate Professor, Department of Biomedical Engineering, University of Houston - Houston, TX, USA

**Steven L. Spitalnik:** Co-Director, Laboratory of Transfusion Biology, Department of Pathology & Cell Biology, Columbia University - New York, NY, USA

**Claudio Velati:** President of the Italian Society of Transfusion Medicine and Immunohematology

**Tatsuro Yoshida:** Director of Research and Development, Hemanext, New Health Sciences Inc. - Cambridge, MA, USA

## **SCIENTIFIC DIRECTOR**

Giancarlo Maria Liumbruno  
Centro Nazionale Sangue  
Istituto Superiore di Sanità  
Tel. + 39 06 4990 4989  
E-mail: direzione.cns@iss.it

## **SCIENTIFIC COMMITTEE**

Stefania Vaglio  
Centro Nazionale Sangue  
Istituto Superiore di Sanità  
Tel. + 39 06 4990 4987  
Fax. + 39 06 4990 4975  
E-mail: ricerca.cns@iss.it

## **TECHNICAL SECRETARIAT**

Andrea Aguzzi  
Tel. + 39 06 4990 4958  
Fax. + 39 06 4990 4975  
E-mail: andrea.aguzzi@iss.it

Livia Cannata  
Tel. + 39 06 4990 4985  
Fax. + 39 06 4990 4975  
E-mail: livia.cannata@iss.it

Elisabetta Amori  
Tel. + 39 06 4990 4989  
Fax. + 39 06 4990 4975  
E-mail: direzione.cns@iss.it

Laura Di Marco  
Tel. + 39 06 4990 4953  
Fax. + 39 06 4990 4975  
E-mail: segreteriagenerale.cns@iss.it