

WEDNESDAY 01/07/2015

Morning Parallel Sessions

Cord Blood Banking

08:00	Theofanis Chatzistamatiou:	<i>"Welcome"</i>
08:15	Sue Armitage:	<i>"Hot Topics in Standards Interpretation"</i>
09:00	Corina Peste:	<i>"FACT-NetCord Accreditation of Private Banks"</i>

Cellular Therapy/Regenerative Medicine

08:00	Andreas Papassavas:	<i>"Welcome"</i>
08:15	Phyllis Warkentin:	<i>"6th Edition FACT-JACIE Standards"</i>
09:15	Elizabeth J Shpall:	<i>"Donor Suitability versus Donor Eligibility"</i>

09:45

Coffee Break

10:00	Gesine Koegler:	<i>"Cord Blood Unit Specifications"</i>
10:45	Linda Peltier:	<i>"Donor Recruitment and Evaluation"</i>
11:30	Efstathios Michalopoulos:	<i>"Cord Blood Collection Models"</i>

10:00	Patrick Hanley:	<i>"Common Standards for Cellular Therapies"</i>
10:45	Phyllis Warkentin:	<i>"Considerations for Product Exchange Between Third Parties"</i>
11:30	Patrick Hanley:	<i>"Quality Management as a Bridge Between Basic Research and Translational Medicine"</i>

12:15

Lunch

Joint Afternoon Session

13:15	Phyllis Warkentin:	<i>The FACT Inspection and Accreditation Process</i>
14:15	Andreas Papassavas:	<i>Quality Management Programs</i>

15:15

Coffee Break

15:30	Theofanis Chatzistamatiou:	<i>Maintaining Inspection Readiness</i>
16:00	Efstathios Michalopoulos:	<i>Common Citations for Cord Blood Banks</i>
16:30	Phyllis Warkentin:	<i>Mock Inspection Videos</i>
17:00		Adjourn



PRELIMINARY PROGRAM

THURSDAY 02/07/2015

12:30 - 13:30

ADMISSIONS

13:45 - 14:00

Welcome Address

* Symposium Chairs

14:00 - 14:45

Lecture I

Chair: Argyris Efstratiades

* Dimitris Thanos:

"The interplay of stochastic and deterministic mechanisms of cellular reprogramming"

14:45 - 16:45

Plenary Session I
"History and Current Status of Cord Blood Banking"

Chairs: Nikolaos Harhalakis - Athanasios Fassas

Panel discussion:

* Catherine Stavropoulos:

"History of the Hellenic Cord Blood Bank"

14:45 - 15:15

* Cristina Navarrete:

"Current status and future developments in cord blood banking and transplantation"

15:15 - 15:45

* Andromachi Scaradavou:

"Cord Blood unit selection for unrelated transplantation"

15:45- 16:15

* Gesine Koegler:

"Cord Blood Banking"

16:15 - 16:45

16:45 - 17:00

Coffee Break



17:00 - 18:30

Plenary Session II
“Cord Blood Transplantation in Action”

Chairs: Eleni Papadaki - Dimitrios Karakasis

Panel discussion:

* Ioannis Baltadakis: *“Hellenic Experience of Cord Blood Transplantation in Adults”*

17:00 - 17:30

* Alexandros Spyridonidis: *“When the Haplo-identical donor Becomes an Option”*

17:30 - 18:00

* Elizabeth Shpall: *“Enhancing cord blood engraftment”*

18:00 - 18:30

18:30 - 19:15

Keynote speech

Chairs: Catherine Stavropoulos-Giokas, Andreas Papassavas

* Pablo Rubinstein: *“The Social Benefit of Public Cord Blood Banking”*

19:15

Symposium Opening - Welcome Reception

Chairs: Catherine Stavropoulos-Giokas, Andreas Papassavas

Speakers TBA



FRIDAY 03/07/2015

08:30 - 09:00

ADMISSIONS

08:30 - 10:00

Plenary Session III

“Management Aspects of Cord Blood Banking”

Chairs: Andreas Karabinis - AlikI Iniotaki

Panel discussion:

* Sue Armitage:
08:30 - 09:00

“Cord Blood Association”

* Andreas Papassavas:
09:00 - 09:30

“Hellenic Cord Blood Bank: A Decade of Public Offer - Reflections into the Future”

* Simonetta Pupella:
09:30 - 10:00

“Organization of CBBs in National Networks Under the Competent Authorities”

10:00 - 10:15

Coffee Break

10:15 - 11:45

Plenary Session IV

“Regulatory Issues and Accreditations”

Chairs: Elias Doxiadis - Mairilyn Spyropoulou-Vlachou

Panel discussion:

* Phyllis Warkentin:
10:15 - 10:45

“The FACT Inspection and Accreditation Process”

* Elisavetta Naumova:
10:45 - 11:15

“Cord Blood and HLA: Standards, Accreditation and Beyond”

* Andreas Papassavas:
11:15 - 11:45

“Quality Management Programs”



12:00 - 12:30

Lecture II

Chairs: Chrysa Papasteriades - Elisavetta Naumova

Lecture:

- * Dimitris Monos: *"Resolving a Sixty year old problem: HLA typing by Next Generation Sequencing"*
12:00 - 12:30

12:30 - 13:30 Lunch Break

13:30 - 15:30

Plenary Session V

"The Future of Cord Blood Banking"

Chairs: Charis Matsouka - Marigoula Varla

Panel discussion:

- * Linda Peltier: *"Development of Third Party Grafts from Pooled CD34-selected Cryopreserved Cord Blood Units for Stem Cell Transplantation"*
13:30 - 14:00
- * Paolo Rebutta: *"The Italian Project on Cord Blood Platelet Gel"*
14:00 - 14:30
- * Patrick Hanley: *"Adoptive Immunotherapy in Hematopoietic Stem Cell Transplantation"*
14:30 - 15:00
- * Apostolos Stathopoulos: *"A personalized immunotherapeutic vaccine (Gliovac or ERC1671) against recurrent glioblastoma multiforme (GBM)"*
15:00 - 15:30

15:30 - 15:45 Coffee Break



15:45 - 17:45

Plenary Session VI

“Regenerative Medicine and Advanced Cellular Therapies”

Chairs: Dionysios Kokkinos – George Vassilopoulos

Panel discussion:

- * Dominique Charron: *“Allogenicity and Immunomodulation of Stem Cells: Towards Personalized Regenerative Medicine”*
15:45 - 16:15
- * Sotiris Korossis: *“From Heart to Lung and Back: Engineering the Path”*
16:15 - 16:45
- * Clementine Karageorgiou: *“Transplantation of Mesenchymal Stem Cells: A challenge for the Future”*
16:45- 17:15
- * Michalis Iosifidis: *“Cell Therapy for Cartilage Lesions Treatment”*
17:15 - 17:45

17:45 - 18:00 **Closing remarks**

Symposium Chairs



Scientific Committee

Prof. Panayiota Boura
Prof. Ilias Doxiadis
Prof. Athanasios Fassas
Dr. Nikolaos Harhalakis
Dr. Michalis Iosifidis
Dr. Andreas Karabinis
Dr. Dimitrios Karakasis
Prof. George Kreatsas
Prof. Dimitrios Loutradis
Prof. Joannis Mytilineos
Dr. Panagiotis Papadis
Dr. Stefanos Pappas
Prof. Alexandros Spyridonidis
Dr. Dimitrios Thanos
Dr. Marigoula Varla-Eleftherioti

Prof. Charalambos Chrelias
Prof. Argyris Efstratiadis
Prof. Anastasios Germenis
Dr. Aliki Iniotaki
Dr. Maria Kanariou
Dr. Clementine Karageorgiou
Prof. Kostas Konstantopoulos
Prof. Dimitrios Loukopoulos
Dr. Evripidis Mantoudis
Prof. Helen Papadaki
Dr. Chryssa Papasteriades
Dr. Anastasia Skandali
Dr. Aikaterini Tarassi
Prof. Panayiotis Tsirigotis
Prof. Georgios Vassilopoulos

Local Organizing Committee

Chair

Prof. Catherine Stavropoulos-Giokas

Dr. Ioannis Baltadakis
Dr. Assimina Filaktou
Mrs. Vassiliki Gioka
Dr. Maria Spyropoulou-Vlachou

Co-Chair

Dr. Andreas Papassavas

Dr. Theofanis Chatzistamatiou
Mrs. Thekla Mountokalaki
Dr. Efstathios Michalopoulos
Prof. Ourania Tsitsilonis



SPEAKERS AND TOPICS

Keynote Speaker

Rubinstein Pablo, Co-Founder and Director of the National Cord Blood Program at the New York Blood Center. Director of the Fred. H. Allen Jr. Laboratory of Immunogenetics, Adjunct clinical Professor at Columbia University, USA

Title: *"The Social Benefit of Public Cord Blood Banking"*

Lectures

- **Monos Dimitris**, Professor of Pathology and Laboratory Medicine at the Children's Hospital of Philadelphia Dept. of Pathology and Laboratory Medicine, Pennsylvania, USA.

Title: *"Resolving a Sixty year old problem: HLA typing by Next Generation Sequencing"*

- **Thanos Dimitris**, Investigator - Professor Level, President of the Scientific Board, Director of the Center of Basic Research, Biomedical Research Foundation, Academy of Athens.

Title: *"The interplay of stochastic and deterministic mechanisms of cellular reprogramming"*

Plenary Sessions

- **Armitage Sue**, Assistant Director, Cord Blood Bank, Department of Stem Cell Transplantation, Division of Cancer Medicine, University of Texas MD Anderson Cancer Center, Houston, USA.

Title: *"Cord Blood Association"*

- Topics:
- ✓ *History*
 - ✓ *Mission*
 - ✓ *Vision*
 - ✓ *Priorities*
 - ✓ *Membership Benefits*



- **Baltadakis Ioannis**, Director, Hematology Dpt and Bone Marrow Transplantation Unit, “Evangelismos” General Hospital, Athens, Greece.

Title: *“Hellenic Experience of Cord Blood Transplantation in Adults”*

- Topics:
- ✓ *Utilization of double-unit cord blood transplatation (dUCBT) to facilitate access of adult patients to transplant*
 - ✓ *CBU selection criteria - Final vs. original HLA match*
 - ✓ *Disease, Patient and Transplant characteristics*
 - ✓ *Engraftment, mortality and survival*

- **Charron Dominique**, Prof. of Immunology, Director of INSERM UMRS 940. Head of the “Jean Dausset” Histocompatibility & Immunogenetics Laboratory, Saint-Louis Hospital, Paris, France

Title: *“Allogenicity and Immunomodulation of Stem Cells:Towards Personalized Regenerative Medicine”*

- Topics:
- ✓ *Cardiac stem cells biology*
 - ✓ *HLA expression on stem cells*
 - ✓ *Treg induction by stem cells*
 - ✓ *PD1_PDL1 induced Immunoregulation*
 - ✓ *NK Allogenicity*
 - ✓ *Stem cells banking for regenerative medicine*

- **Hanley Patrick**, Director, GMP for Immunotherapy, Assistant Professor at Children's National and GWU, Cell Therapy Expert, Speaker, Washington, District Of Columbia, USA

Title: *“Adoptive Immunotherapy in Hematopoietic Stem Cell Transplantation”*

- Topics:
- ✓ *Virus-specific T cells from healthy donors*
 - ✓ *Virus-specific T cells from umbilical cord blood*
 - ✓ *Virus-specific T cells from CMV-seronegative adult donors*

- **Iosifidis Michalis**, MD, 2nd Orthopedics Dpt., “Papageorgiou” General Hospital, Thessaloniki, Athens

Title: *“Cell Therapy for Cartilage Lesions Treatment”*

- Topics:
- ✓ *Autologous Chondrocyte Transplantation*
 - ✓ *Autologous MSCs Trasplantation*
 - ✓ *Bone marrow stimulation*
 - ✓ *Scaffolds in cartilage lesions treatment*
 - ✓ *New perspectives: allogeneic MSCs for cartilage lesions treatment*



- **Karageorgiou Klimentini, MD, Neurology Dpt., “Iatriko Athinon” Hospital, Athens, Greece**

Title: *“Transplantation of Mesenchymal Stem Cells: A challenge for the Future”*

- Topics: ✓ *Clinical applications of Mesenchymal Stem Cells in Neurology*
✓ *Evaluation of clinical data in ALS patients*

- **Koegler Gesine, Director of The José Carreras Cord Blood Bank and The Cell Processing Laboratory of the Institute for Transplantation Diagnostics and Cellular Therapeutics, Medical School of the University of Düsseldorf, Germany**

Title: *“Cord Blood Banking”*

- Topics: ✓ *Cord blood progenitor´s and gestational age, clinical implications*
✓ *Impact of the way of volume reduction (HES, non HES) on cord blood quality*
✓ *Measurement of CD34+ 7AAD as compared to Annexin*
✓ *Fresh versus cryopreserved*
✓ *How to adapt the inventory to the demands of the market*

- **Korossis Sotiris, Lower Saxony Centre for Biomedical Engineering, Implant Research and Development, Department of Cardiothoracic, Transplantation and Vascular Surgery, Hannover Medical School, Germany**

Title: *“From Heart to Lung and Back: Engineering the Path”*

- Topics: ✓ *Heart valve tissue engineering*
✓ *Bioartificial Lung*
✓ *Tissue Decellularisation*
✓ *Endothelialisation*
✓ *In vitro testing (biological/biomechanical)*
✓ *Computational modelling*

- **Naumova Elisavetta, Head of Department of Clinical Immunology, University Hospital Alexandrovska, Bulgaria**

Title: *“Cord Blood and HLA: Standards, Accreditation and Beyond”*

- Topics: ✓ *EFL accreditation of laboratories typing Cord Blood Units*
✓ *Accreditation of new technologies*
✓ *EFL Accreditation and ISO: where do we stand?*



- **Navarrete Cristina**, Consultant Clinical Scientist, Histocompatibility and Immunogenetic Services, NHSBT & Scientific Advisor BBMR and NHS-CBB, London, UK

Title: *"Current status and future developments in cord blood banking and transplantation"*

- Topics:
- ✓ *Current status of unrelated cord blood banking*
 - ✓ *Current status of unrelated cord blood transplantation*
 - ✓ *New and more efficient techniques and strategies for optimal matching*
 - ✓ *New strategies to improve clinical outcomes*
 - ✓ *Future challenges and developments in unrelated CBB*

- **Papassavas Andreas**, Assistant Director, Laboratory Director, Hellenic Cord Blood Bank, Biomedical Research Foundation, Academy of Athens, Athens, Greece

Title: *"Hellenic Cord Blood Bank: A Decade of Public Offer - Reflections into the Future"*

- Topics:
- ✓ *Evolution of cord blood donation in Greece*
 - ✓ *HCBB cord blood units in transplantation*
 - ✓ *Current challenges of the HCBB*
 - ✓ *New Aspects of the HCBB*
 - ✓ *Future perspectives*

Title: *"Quality Management Programs"*

- Topics:
- ✓ *Quality management systems*
 - ✓ *Development of quality management programs*
 - ✓ *Standardized Systems*
 - ✓ *Accreditation*

- **Peltier Linda**, Director of the Clinical Research Cord Blood Bank, Royal Victoria Hospital, Canada

Title: *"Development of Third Party Grafts from Pooled CD34-selected Cryopreserved Cord Blood Units for Stem Cell Transplantation"*

- Topics:
- ✓ *Public CBB*
 - ✓ *Different CB transplantation methods*
 - ✓ *Pooling methods and outcomes*
 - ✓ *CB/Mother ABO Compatibility*

- **Pupella Simonetta**, Responsible for Blood Safety, Italian National Blood Centre, National Institute of Health - ISS, Roma, Italy

Title: *"Organization of CBBs in National Networks Under the Competent Authorities"*

- Topics:
- ✓ *The regulatory framework of Cord Blood Banking in Italy*
 - ✓ *Italian national requirements of Cord Blood Banking*
 - ✓ *Activity data of the Italian Cord Blood Bank Network (ITCBN)*



- ✓ *Current weakness of cord blood transplantation in Italy*
- ✓ *New perspectives for a network of cord blood banks under the national health system*

- **Rebulla Paolo**, Director, Centre of Transfusion Medicine, Cellular Therapy and Cryobiology, Dept. of Regenerating Medicine, IRCCS - Ospedale Maggiore Policlinico, Italy

Title: *"The Italian Project on Cord Blood Platelet Gel"*

- Topics:
- ✓ *Cord blood use for hemopoietic transplant*
 - ✓ *Additional therapeutic uses of cord blood: cord blood platelet gel*
 - ✓ *Potential new therapeutic uses of cord blood: cord blood eye drops*

- **Scaradavou Andromachi**, Department of Pediatrics, Allogeneic Bone Marrow Transplant Service, Department of Pediatrics, Allogeneic Bone Marrow Transplant Service, New York, Medical Director National Cord Blood Program at the New York Blood Center, USA

Title: *"Cord Blood unit selection for unrelated transplantation"*

- Topics:
- ✓ *Criteria for CBU selection for transplant: TNC, potency assays, HLA match (antigen/allele level)*
 - ✓ *Feto-maternal interactions and effects on transplant outcomes and CBU selection*
 - ✓ *Stability studies (evaluation) on older CBUs*
 - ✓ *CBU segment for evaluation of quality of cryopreserved product*
 - ✓ *CBU selection "algorithm"*

- **Shpall Elizabeth**, Medical Director of Cell Therapy Laboratory, Director of Cord Blood Bank, Department of Stem Cell Transplantation, Division of Cancer Medicine, University of Texas MD Anderson Cancer Center, Houston, USA

Title: *"Enhancing cord blood engraftment"*

- Topics:
- ✓ *Expansion of Hematopoietic Stem Cells*
 - ✓ *Homing of Hematopoietic Stem Cells*

- **Spyridonidis Alexandros**, Professor of Hematology/ Bone Marrow Transplantation, Medical School of University of Patras and Clinical Program Director, Bone Marrow Transplantation and Leukemia Program, Patras University Hospital, Patras, Greece

Title: *"When the Haplo-identical donor Becomes an Option"*

- Topics: ✓ *Advances in haplo-identical Hematopoietic Stem Cells Transplantation*



- **Stathopoulos Apostolos**, Clinical Assistant Professor of Neurosurgery ,Keck School of Medicine, University of Southern California U.S.A, Head of Neurosurgery Dpt., Vivalia Hospitals, Province de Luxembourg, Belgium

Title: *"A personalized immunotherapeutic vaccine (Gliovac or ERC1671) against recurrent glioblastoma multiforme (GBM)"*

- Topics: ✓ *Advanced immunotherapy using tumor cells*
✓ *Anti-tumor immunity*

- **Stavropoulos-Giokas Catherine**, Founder and Director/Medical Director of the Hellenic Cord Blood Bank, Biomedical Research Foundation, Academy of Athens, Athens, Greece

Title: *"History of the Hellenic Cord Blood Bank"*

- Topics: ✓ *The first attempts for a Cord Blood Bank in Greece*
✓ *Establishment of the Hellenic Cord Blood Bank*
✓ *Milestones of the Hellenic Cord Blood Bank*

- **Warkentin Phyllis**, Biological Production Facility Medical Director, College of Medicine, Dpt. Of Pathology and Microbiology University of Nebraska Medical Center and Foundation for the Accreditation of Cellular Therapy (FACT) Medical Director.

Title: *"The FACT Inspection and Accreditation Process"*

- Topics: ✓ *History of FACT*
✓ *Collaboration with NetCord*
✓ *Standards Development*
✓ *Accreditation Process*
✓ *Accomplishments in Accreditation*