



Stem-Cells of the Cord, Cord-blood, Placenta: Scientific approaches, pre-Clinical and clinical applications

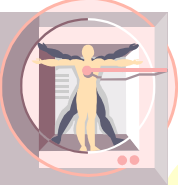
25th October 2007

Chairmen: Andreas Zisch, Barbara Lukomska, Trine Fink, Harald Klueter

08.30 – 08.50	Registration
09.00 – 09.15	Welcome, Albert Ramon, Chairman ITERA Life-Sciences-Forum Dept. of Gastroenterohepatology, Univ. Hospital Antwerp / UZA, Belgium Institute of Genetics and Molecular Biology, Cologne, Germany
09.15 – 09.45	Introduction and Overview Colin McGuckin, Director Newcastle Centre for North-East Stem Cell Institute, Newcastle University, United Kingdom
09.45 – 10.15	Mesenchymal cells as vehicle for therapeutic genes: analysis of cell survival and transgene expression after transplantation in rat spinal cord. Peter Ponsaerts, Experimental Hematology, University Antwerp, Belgium
10.15 – 10.45	Cells from cord blood and placenta for in-utero and perinatal tissue regeneration. Daniel Surbek, Head of Dept. Gynecology, University Bern, Switzerland
10.45 – 11.15	Coffee / Tea Break
11.15 – 11.45	Cells isolated from the mesenchymal region of the amniotic mem- brane: stem cell potential and immunological features Ornella Parolini., Fondazione Poliambulanza, Brescia, Italy
11.45 – 12.15	Comparative characterization of cultured human term amnion epithelial and mesenchymal stromal cells for prospective application in cell therapy. Steffen Zeisberger, Obstetrics, Univ. Hospital Zürich, Switzerland
12.15 – 12.45	Fetoscopic closure of puncture fetal membranes with acellular hu- man amnion plugs. Andreas Zisch, Obstetrics, Univ. Hospital. Zürich, Switzerland
12.45 – 13.00	Comparison of different mesenchymal stem cells from different ori- gins. Guy Wouters, Research and development, Cryo-Save Labs, Mechelen, Belgium.
13.00 – 13.15	Human Mesenchymal Stromal (stem) cells derived from umbilical cord as a potential source for cell-based therapies: in vitro and in situ characterization. Marjan Moreels, Histology, Univ. Hasselt, Belgium
13.15 – 14.00	Lunch

Chairmen: Colin McGuckin, Daniel Surbek, Peter Ponsaerts,
Viggo van Tendeloo

14.00 – 14.30	Human alternatives to bovine serum for the isolation and expansion of mesenchymal stem cells. Karen Bieback, Institute Transfusion Medicine and Immunology, DRK-Mannheim, Germany
14.30 – 15.00	Human Cord blood mononuclear cell as a source of functional neurons and glial cells in vitro. Krystyna Domanska - Janik, Polish Academy of Sciences, Warsaw, Poland.
15.00 – 15.30	An ubiquitous reserve of perivascular multi-lineage stem cells within human tissues. Bruno Peault, Stem Cell Research Center, Children's Hospital of Pittsburgh, U.S.A.
15.30 – 16.00	Coffee / Tea Break
16.00 – 16.30	Cord and Cord Blood stem cells for non hematopoietic applications (kidney and lung). Lorenza Lazzari, Cord Blood Bank, Milano, Italy
16.30 – 17.00	Human CB – CD133⁺ cells injected into nod-scid mice made deaf after ototoxic treatment provide conditions for the resumption of the inner ear structure and function. Roberto Revoltella, CNR-ITB, Pisa and Research Foundation: "Stem Cells & Life", Pisa, Italy
17.00 – 17.30	Hepatobiliary Tissue Engineering from Cord Blood Stem Cells: First Steps towards Regenerative Medicine for Liver Disease. Nico Forraz, Newcastle Stem Cell Institute, United kingdom
17.30 – 18.00	Discussions – Meet the experts
19.30	Dinner

**Stem-Cells of the Cord, Cord-blood, Placenta:****Scientific approaches, pre-clinical
and clinical applications**

Chairmen: Simon-Philipp Hoerstrup, Christoff Stamm, Marc Ramael,
Matthias Steinwachs, Bruno Péault

Chairmen: Kathleen De Greef, Dirk Ysebaert, Jan Vandroogenbroeck,
Desmond Schatz, Gesine Koegler

08.30 – 09.00	Visions from the European Commission. Gwennael Joliff-Botrel, Principal Scientific Administrator Assistant to the Health Research Director European Commission, Brussels
09.00 – 09.30	GMP-Conform Generation and Cultivation of Unrestricted Somatic Stem Cells (USSC) from cord blood using the SEPAX[®]-Separation Method and a closed culture system applying cell stacks. Gesine Koegler, ITZ Univ. Düsseldorf, Germany
09.30 – 10.00	Cord blood – and other – cells for myocardial regeneration Christoff Stamm, Deutsches Herzzentrum Berlin, Germany
10.00 – 10.30	Coffee / Tea Break
10.30 – 11.00	Prenatal cells for cardiovascular tissue engineering. Dörthe Schmidt, (Simon-Philipp Hoerstrup) Cardiovascular surgery, Univ. Hosp. Zürich, Switzerland
11.00 – 11.30	Bone marrow and adipose tissue derived Mesenchymal stem cells for clinical use. Trine Fink, Laboratory for Stem Cell Research, Aalborg, Denmark
11.30 – 12.00	Animal models for orthobiologic applications of stem cells, including state of the art imaging procedures. Martijn van Griesven, Ludwig Boltzman Institute, Vienna, Austria
12.00 – 14.00	Lunch

14.00 – 14.30	About HLA and KIRs Melanny Hidajat, AZ St. Jan, Hematology, Brugge, Belgium
14.30 – 15.00	GVHD Jan Vandroogenbroeck, AZ St. Jan, Clin. Hematology, Brugge, Belgium
15.00 – 15.30	Coffee / Tea Break
15.30 – 16.00	Umbilical cord blood transplantation – a single centre experience. Pedro Pimentel, Fernando Campilho, BM Transplantation Institute, Oncology Institute, Lisboa, Portugal
16.00 – 16.30	Autologous umbilical cord blood infusion as immunotherapy for type 1 diabetes. Michael Haller, Pediatric Endocrinology, Univ. Florida, U.S.A.
16.30 – 17.00	Cord – Blood – Banking: Functioning and logistic. Joan Garcia Lopez, Banc de Sang I Teitits, Barcelona, Spain
17.00 – 17.30	GMP requirements for market authorization principles of consideration for clinical trials. Peter De Waele, Regulatory affairs, Cryo-Save Institute, Mechelen, Belgium
17.30 – 18.00	Discussions – Meet the experts.
18.00 – 18.30	Poster Session:
19.30	Candle-light Dinner