

Cord Blood Connect Agenda

The organizing committees for *Cord Blood Connect* have developed an agenda that has plenary sessions and two tracks of concurrent sessions, one for scientific investigations and the other for technical education and training.

Continuing medical education (CME), continuing medical laboratory education (CMLE), and certificates of attendance will be provided.

NOTE: Times subject to change

Friday, September 14

- 8:00 am Pre-Conference Cord Blood Day
Presented by the World Marrow Donor Association (WMDA-NetCord) and the Foundation for the Accreditation of Cellular Therapy (FACT)
(Note: Separate registration required.)
- 4:00 pm *Cord Blood Connect* Registration Opens
- 6:30 pm Opening Plenary Session: **Overview of the Congress. State of the Science. State of the Cord Blood Community.**
Welcome and Congress Overviews • *Joanne Kurtzberg, Colleen Delaney and Sharon Miller*
Lifetime Achievement Award
Keynote Lecture • Success and Challenges of Cord Blood Transplant • *Eliane Gluckman*
- 7:45 pm Welcome Reception: 30th Anniversary of the First Cord Blood Transplant

Saturday, September 15

- 7:00 am Registration Opens
- 7:15 am Breakfast with Exhibitors
- 8:30 am President's Session: **Understanding and Optimizing Approaches to Regulation of Cellular Therapies**
Joanne Kurtzberg, Moderator
Evolving Ethical Considerations in Regenerative Medicine • *Jeremy Sugarman*
21st Century Cures Act Impact on Cord Blood and Cord Tissues • *Janet Marchibroda and Marc Scheineson*
FDA's Approach to the Regulation of Regenerative Medicine Products • *Peter Marks*
- 10:00 am Refreshment Break with Exhibitors
- 10:30 am Concurrent Scientific Session: **The Potential Power of Mesenchymal Stem Cells**
Jan Nolta, Moderator
Targeting Neuroinflammation with Cord Tissue-Derived MSCs • *Anthony Filiano*
Manufacturing MSC from Marrow: Role of Culture Rescue • *Jan Nolta*
Manufacturing MSC from Allogeneic Cord Tissue • *Joanne Kurtzberg*
Characterization and Variability of MSCs from Multiple Tissue Sources – A Consortium Approach • *Krishnendu Roy*
- 10:30 am Concurrent Technical Session: **Economics and Logistics of Cord Blood Banking**
Karen Ballen, Moderator
Public Cord Blood as a Desirable Graft Source • *Karen Ballen*
Continued Funding of Public Cord Blood in the United Kingdom • *Charlie Craddock*
Toward a Sustainable Cord Blood Supply in the United States • *Kandice Kapinos*
- 12:00 pm Lunch with Exhibitors
- 1:30 pm Concurrent Scientific Session: **Cord Blood-Derived Immunotherapies**
Katy Rezvani, Moderator
Overview of Cord Blood-Derived Immunotherapies • *Vanderson Rocha*
Cord Blood-Derived Virus-Specific T-Cells • *Catherine Bollard*
Cord Blood-Derived Exosome-Based Therapies • *Elizabeth Shpall*
T-Regs • *Claudio Brunstein*
- 1:30 pm Concurrent Technical Session: **Optimization of Cord Blood Collection Strategies**
Kate Girard, Moderator
Overcoming Collection Obstacles: Public and Family Banking Perspectives • *Ann Kaestner and Kate Girard*
Optimizing Cord Blood Collection with the Resurgence of Delayed Cord Clamping • *Heidi Elmoazzen*
Collecting High Volume Units – Tricks and Tools • *Deborah Wood*

- 3:00 pm Refreshment Break with Exhibitors
- 3:30 pm Concurrent Scientific Session: **Emerging Uses of Cord Blood and Birthing Tissues in Regenerative Medicine**
Joanne Kurtzberg, Moderator
- Bone Marrow MSC To Treat Adult Frailty • *Aisha Khan*
 - Placental MSC To Reverse Aging • *Robert Hariri*
 - Treatment of Childhood Autism with Cord Tissue MSCs • *Geraldine Dawson*
 - Treatment of Childhood Cerebral Palsy with Cord Blood • *Jessica Sun*
- 3:30 pm Concurrent Technical Session: **Manufacturing and Quality**
Monica Chen, Moderator
- New Standards and Tools for Cord Blood and Perinatal Tissues under the EU-ATMP Regulation • *Gesine Kögler*
 - Current FDA Guidance Relative to Homologous Use in HPC and Regenerative Medicine • *Sharon Miller*
 - Biopreservation Best Practices for Cells and Tissues • *Aby J. Mathew*
 - Specification Requirements for Releasing Cellular Therapeutic Products for Clinical Applications • *Ngaire Elwood*
- 5:00 pm Networking Break
- 5:30 pm Plenary Session: **The Innovators**
Joanne Kurtzberg, Moderator
- Best Abstract Oral Presentations
 - Excellent Outcomes after Umbilical Cord Blood Transplantation Using a Centralized Cord Blood Registry • *Karen Ballen*
 - Microbial Contamination in Umbilical Cord Blood: a Comparison Before and After Cryopreservation • *Mingming Li*
 - Noninvasive, Fast and Cost-Effective Qualification of Blood Collection Bags • *Francisco (Paco) Robles*
 - Original Pioneers • *Arleen Auerbach, Hal Broxmeyer, Matthew Farrow, Eliane Gluckman, Joanne Kurtzberg and John Wagner*
 - Today's Pioneers • *Colleen Delaney and Gregg Gordon; Joanne Kurtzberg and David Hall*
- 7:30 pm Poster Session with Authors

Sunday, September 16

- 7:00 am Registration Opens
- 7:15 am Breakfast with Exhibitors
- 8:30 am Plenary Session: **Clinical Outcomes Overview: Transplantation, Immunotherapy and Regenerative Medicine**
Colleen Delaney, Moderator
- When Cord Blood Is the Best Donor for Transplantation • *Filippo Milano*
 - Cord Blood-Derived NK-CAR Cells for Treatment of Cancer • *Katy Rezvani*
 - Cord Blood Therapy for Brain Disorders • *Joanne Kurtzberg*
- 10:00 am Refreshment Break with Exhibitors
- 10:30 am Concurrent Scientific Session: **Clinical Outcomes: Advances in Hematopoietic Cell Transplantation**
Filippo Milano, Moderator
- Next Generation Conditioning Regimens: Reduced Toxicity without Increased Risk of Relapse • *Juliet Barker*
 - Post-HCT Viral Infections: Prophylaxis in Cord Blood Transplant Patients • *Boeckh*
 - Pediatric AML Donor Comparison or Immune Reconstitution • *Jaap-Jan Boelens*
 - Influence of Microbiome on Hematopoietic Cell Therapy (CBT) Outcomes • *Tsoni (Jonathan) Peled*
- 10:30 am Concurrent Technical Session: **International and Domestic Shipping**
Michele Sugrue, Moderator
- Product Shipment Excursions: Determining Degree of Exposure and Product Stress • *Sharon Miller and Donna Regan*
 - Guidance for Transplant Centers: Dealing with Deviations • *Ann Kaestner and Michele Sugrue*
 - Temperature Control Technologies for Shipping Biological Samples • *Monica Chen and Aby J. Mathew*
 - Regulatory Criteria across the World • *George Macridis and Ngaire Elwood*
- 12:00 pm Lunch with Exhibitors

- 1:30 pm Concurrent Scientific Session: **Engineering of Cord Blood Grafts**
Stephanie Farnia, Moderator
- Homing and Ex-Vivo Expansion • *Hal Broxmeyer*
- NiCord Ex-Vivo Expansion • *Mitchell Horwitz*
- Magenta • *Michael Cooke*
- Nohla • *Colleen Delaney*
- ExcellThera • *Sandra Cohen*
- Fucosylation • *Elizabeth Shpall*
- Angiocrine Technology • *Juliet Barker*
- Feasibility and Reimbursement: FDA Approved Therapy Lessons • *Stephanie Farnia*
- Panel discussion with additional participants • *Jaap-Jan Boelens, Vanderson Rocha and John Wagner*
- 1:30 pm Concurrent Technical Session: **Education for Health Care Providers (Use the Whole Thing: Opportunities for Alternative Uses)**
Sharon Miller, Moderator
- Functional Regeneration and Biosourcing: Fresh Cord Blood Therapy Used in Pooling for Low Volumes and Potential Uses for Low TNC Cord Blood Units • *Gary Christianson*
- Outcome Data in the Research Environment • *Stephen Spellman*
- The Use of Umbilical Cord Tissue for Isolating CL-MSc in Treatment for Diabetic Foot Ulcers • *J. Robert Chang*
- 30-Minute “Speed Dating” Table Topics:
 All the above topics, plus Educating Healthcare Professionals on Use of Cord Blood Treatment Outcome Data, Use of Outcome Data for Licensed Cord Blood Banks, Assessing Donor Risk in Public and Private Cord Blood Banking, Maternal Infectious Disease Testing, and Transport Temperature • *Gary Christianson, Stephen Spellman, Ann Kaestner, Sharon Miller and J. Robert Chang*
- 3:00 pm Refreshment Break with Exhibitors
- 3:30 pm Closing Plenary Session: **The Future of Everything Cord Blood**
Beth Shaz, Moderator
- What If? • *Jaap-Jan Boelens, Colleen Delaney, Eliane Gluckman, Joanne Kurtzberg, Sharon Miller, C. Randall Mills and Vanderson Rocha*
- 5:00 pm Congress Adjournment

Cord Blood Connect International Congress

Hosted by
 Cord Blood Association

In cooperation with
 AABB

American Society for Blood and Marrow Transplantation
 Center for International Blood and Marrow Transplant Research
 Eurocord

European School of Haematology
 Foundation for the Accreditation of Cellular Therapy
 International Society for Cellular Therapy
 National Marrow Donor Program / Be The Match
 Parent’s Guide to Cord Blood Foundation
 Perinatal Stem Cell Society
 Regenerative Medicine Foundation
 Save the Cord Foundation
 World Marrow Donor Association / NetCord

Congress Co-Chairs

Colleen Delaney - Fred Hutchinson Cancer Research Center
 Gesine Kögler - Jose Carreras Cord Blood Bank, University of
 Dusseldorf
 Joanne Kurtzberg - Carolinas Cord Blood Bank, Duke University
 Sharon N. Miller - Colorado Cord Blood Bank
 Aby J. Mathew - Biolife Solutions, Inc.
 Ronit Simantov - Gamida Cell Ltd.

Scientific Affairs Committee

Colleen Delaney - Fred Hutchinson Cancer Research Center (chair)
 Filippo Milano - Fred Hutchinson Cancer Research Center (vice chair)
 Juliet Barker - Memorial Sloan Kettering Cancer Center
 Jaap Jan-Boelens - Utrecht University Medical Center
 Catherine Bollard - Children’s National Health System
 Hal Broxmeyer - Indiana University School of Medicine
 Eliane Gluckman - Hôpital Saint-Louis
 Parameswaran Hari - Medical College of Wisconsin
 Mitchell Horwitz - Duke University School of Medicine
 Hans Klingemann - New England Cord Blood Bank
 Katy Rezvani - M.D. Anderson Cord Blood Bank
 Elizabeth Shpall - M.D. Anderson Cord Blood Bank
 Jessica Sun - Duke University School of Medicine

Education and Training Committee

Sharon N. Miller - Colorado Cord Blood Bank (chair)
 Heather Brown - Cord Blood Registry/AMAG Pharma (vice chair)
 Monica Chen - StemCyte (USA)
 Kate Falcon Girard - Viacord/PerkinElmer
 Ann Kaestner – Duke University School of Medicine
 George Macridis - Future Health Biobank
 Norin Meadows - Duke University School of Medicine
 Michele Sugrue - University of Florida Shands
 Frances Verter - Parent's Guide to Cord Blood Foundation