



Stem Cell
Congress

INNOVATION & EXHIBITION

*From Stem Cells to Systems:
Advancing Science, Transforming Care.*

CONGRESS AGENDA

4th Edition 2026



BEYOND BOUNDARIES

Pioneering the Next Era of Regenerative Medicine

7TH - 8TH FEBRUARY 2026,
MÖVENPICK GRAND AL BUSTAN,
DUBAI, UNITED ARAB EMIRATES

INITIATED & EMPOWERED BY:

FIRST

— Stem Cell —
and Genomics Laboratory

Day 1 (7th February 2026 - Saturday)

Topics	Start Time	End Time	Total	Speaker
Registration	7:30	8:30	1:00	-
Session 1: Hematopoietic Power Stem Cells In Blood, Immunity & Oncology				
New Approaches to Blood Stem Cell Generation from Pluripotent Cells	8:40	9:05	0:25	Dr. Anna Bigas
Modulation of bone marrow haematopoietic stem cell activity as a therapeutic strategy after myocardial infarction	9:05	9:30	0:25	Prof. Nina Cabezas-Wallscheid
Incorporating novel conditioning regimen in allogeneic stem cell transplants: the American Hospital of Dubai experience	9:30	9:55	0:25	Dr. Emmanouil Nikolousis
<i>Industry symposium by Eppendorf</i>	9:55	10:15	0:20	Mr. Rami Altayeb
<i>Industry symposium by Opubor - Miracell</i>	10:15	10:25	0:10	Dr. Park EunSoo
<i>Industry symposium by Medselect</i>	10:25	10:35	0:10	Mr. Michael Husung
Innovation Exchange: Exhibitor Sessions, Poster Presentations & Coffee Connect	10:35	11:15	0:40	-
Session 2: Mastering Cell Fate innovations in Stem Cell Reprogramming				
iPS cell based therapy for muscular disorders	11:15	11:40	0:25	Prof. Hidetoshi Sakurai
hiPSCs Cardiac Organoids for Reducing Acute Myocardial Infarction	11:40	12:05	0:25	Dr. Sarkawt Hamad
Opening Ceremony	12:05	13:05	1:00	-
<i>Lunch Break</i>	13:05	14:05	1:00	-
Session 2 Contd: Mastering Cell Fate innovations in Stem Cell Reprogramming				
KEYNOTE LECTURE: Curing diabetes with stem cells: Chemical Reprogramming for Regenerative Medicine: From CiPSCs to Functional Cure of Type 1 Diabetes	14:05	14:45	0:40	Prof. Hongkui Deng
Building the Future of Eye Regeneration with iPSCs and Bioprinting	14:45	15:10	0:25	Dr. Heli Skottman
Modeling Monogenic Diabetes Mechanisms Using iPSC-Derived Islets	15:10	15:35	0:25	Dr. Essam Abdelalim
The Saudi Bank of Induced Pluripotent Stem Cells (SBiPSCs)	15:35	16:00	0:25	Dr. Khaled Alsayegh
Session 3: Global Regeneration - A Dubai-Gemany Alliance In Stem Cell Innovation				
Introduction remarks German Stem Cell Network	16:00	16:10	0:10	Dr. Daniel Besser
Infection, Innate immunity and cancer in the gut - Organoids as model	16:10	16:35	0:25	Dr. Sina Bartfeld
Malignant stem cells	16:35	17:00	0:25	Prof. Andreas Trumpp
Cell based therapy against liver diseases	17:00	17:25	0:25	Prof. Ludovic Vallier
Session 4: Cardiac Regeneration New Frontiers In Heart Repair				
UCB-MSCs tissue engineering and cardiac repair	17:25	17:50	0:25	Prof Antoni Bayes Genis

Day 1 (7th February 2026 - Saturday)

Topics	Start Time	End Time	Total	Speaker
<i>Innovation Exchange: Exhibitor Sessions, Poster Presentations & Coffee Connect</i>	17:50	18:35	0:45	-
Day 1 Concludes				

Day 2 (8th February 2026 - Sunday)

Topics	Start Time	End Time	Total	Speaker
Registration	7:30	8:30	1:00	-
Session 5: Stem Cell Regulation: Current Concepts and Future Directions				
DHA standards for Stem cell services	9:00	9:25	0:25	Dr. Khulood Mohamed Alsayegh
From Bench to Policy: Navigating Stem Cell Regulation Without Stifling Innovation	9:25	9:50	0:25	Dr. Hayathem H. Bin Hasher
Session 6: From Source to Solution: Stem Cell Origins and Clinical Applications				
Multipotent Solutions: Stem Cells Tackling complex chronic diseases	9:50	10:15	0:25	Prof. Dr. Emad Mahmoud Ibrahim Elzayat
Stem Cell Based Fertility Restoration and Protection	10:15	10:40	0:25	Dr. Ayman Hendy
<i>Innovation Exchange: Exhibitor Sessions, Poster Presentations & Coffee Connect</i>	10:40	11:25	0:45	-
Session 7: Novel approaches in stem cell therapies & Regenerative Medicine				
Direct somatic to neural stem cell conversion to model and revert age-linked neurological disorders	11:25	11:50	0:25	Prof. Dr. Ralf Jauch
How can we use whole-organ atlases to benchmark the stem cell cardiomyocytes that we make?	11:50	12:15	0:25	Dr. Vincent Knight-Schrijver
Transforming Stem Cell Research with AI-Driven Imaging and Analytics	12:15	12:40	0:25	Dr. Clemens Dannheim
<i>Lunch Break</i>	12:40	13:40	1:00	-
Session 7 Contd: Novel approaches in stem cell therapies & Regenerative Medicine				
From Concept to Clinic: Advances in In Vivo CAR-T Cell Therapy	13:40	14:05	0:25	Dr. Ulf Grawunder
Stem cell-based models for studying Mitochondrial disease heterogeneity	14:05	14:30	0:25	Dr. Riikka Martikainen
Stemness, Senescence and Space Biology in Regenerative medicine: REAC technology Intervention against Microgravity-Induced Cellular Aging	14:30	14:55	0:25	Prof. Margherita Maioli
Unveiling the Mysteries of Vascular Development and Regeneration with Advanced Human Organoid Models	14:55	15:20	0:25	Prof. Mingxia Gu
<i>Innovation Exchange: Exhibitor Sessions, Poster Presentations & Coffee Connect</i>	15:20	16:05	0:45	-
Awards Ceremony and Closing	16:05	16:45	0:40	-
Day 2 Concludes				

Workshop Pogram

Day 1 - 07 February 2026 - Parallel Workshop Hall

Topics	Start Time	End Time	Total	Speaker
How to establish a scientific career?	15:15	16:30	1:15	Prof. Dr. Kurt Pfannkuche
Decoding Stem Cell Biology with scverse Tools	16:30	17:45	1:15	Dr. Sara Jimenez

Day 2 - 08 February 2026 - Parallel Workshop Hall

Harvesting Hope: Science and Skills for Optimal Cord Blood Collections	9:30	10:45	1:15	Mrs. Kim Petrella
Unlocking Immune Power: Why PBMCs Matter	11:15	12:30	1:15	Dr. Sarkawt Hamad
Exploring the Value of MSCs Derived from Adipose, Cord and Placental Sources	15:30	16:45	1:15	Mr. Mustafa Tareq & Dr. Shadab Anjum