



# Dubai Stem Cell Congress

INNOVATION & EXHIBITION

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



7<sup>TH</sup> - 8<sup>TH</sup> FEBRUARY 2026,  
MÖVENPICK GRAND AL BUSTAN,  
DUBAI, UNITED ARAB EMIRATES

## CONGRESS AGENDA

4<sup>th</sup> Edition 2026



**BEYOND BOUNDARIES**

Pioneering the Next Era of Regenerative Medicine

INITIATED & EMPOWERED BY:

**F 1 R S T**  
Stem Cell  
and Genomics Laboratory

Day 1 (7 <sup>th</sup> February 2026 - Saturday)				
Topics	Start Time	End Time	Total	Speaker
Registration	7:30	8:30	1:00	-
<b>Session 1: Hematopoietic Power Stem Cells In Blood, Immunity &amp; Oncology</b>				
New Approaches to Blood Stem Cell Generation from Pluripotent Cells	8:40	9:05	0:25	Prof. 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
Cellular Therapy Excellence: From Bench to Bedside to Global Leadership	9:30	9:55	0:25	Dr. Raef Almarzouqi Albugami
Incorporating novel conditioning regimen in allogeneic stem cell transplants: the American Hospital of Dubai experience	9:55	10:20	0:25	Dr. Emmanouil Nikolousis
<i>Innovation Exchange: Exhibitor Sessions, Poster Presentations &amp; Coffee Connect</i>	10:20	11:05	0:45	-
<b>Session 2: Mastering Cell Fate innovations in Stem Cell Reprogramming</b>				
iPSC cell based therapy for muscular disorders	11:05	11:30	0:25	Prof. Hidetoshi Sakurai
hiPSCs Cardiac Organoids for Reducing Acute Myocardial Infarction	11:30	11:55	0:25	Dr. Sarkawt Hamad
<b>Opening Ceremony</b>	11:55	12:55	1:00	-
<i>Lunch Break</i>	12:55	13:55	1:00	-
<b>Session 2 Contd: Mastering Cell Fate innovations in Stem Cell Reprogramming</b>				
<b>KEYNOTE LECTURE: Curing diabetes with stem cells:</b> Chemical Reprogramming for Regenerative Medicine: From CiPSCs to Functional Cure of Type 1 Diabetes	13:55	14:35	0:40	Prof. Hongkui Deng
Building the Future of Eye Regeneration with iPSCs and Bioprinting	14:35	15:00	0:25	Dr. Heli Skottman
Modeling Monogenic Diabetes Mechanisms Using iPSC-Derived Islets	15:00	15:25	0:25	Dr. Essam Abdelalim
The Saudi Bank of Induced Pluripotent Stem Cells (SBiPSCs)	15:25	15:50	0:25	Dr. Khaled Alsayegh
<b>Session 3: Global Regeneration - A Dubai-Germany Alliance In Stem Cell Innovation</b>				
Introduction remarks German Stem Cell Network	15:50	16:00	0:10	Dr. Daniel Besser
Infection, Innate immunity and cancer in the gut - Organoids as model	16:00	16:25	0:25	Dr. Sina Bartfeld
Malignant stem cells	16:25	16:50	0:25	Prof. Andreas Trumpp
Cell based therapy against liver diseases	16:50	17:15	0:25	Prof. Ludovic Vallier
<b>Session 4: Cardiac Regeneration New Frontiers In Heart Repair</b>				
UCB-MSCs tissue engineering and cardiac repair	17:15	17:40	0:25	Prof Antoni Bayes Genis
New human decellularized and re-endothelialized tissue-engineered VASCular gRAFT (VasCraft) for coronary artery bypass grafting	17:40	18:05	0:25	Prof. Carolina Galvez Monton

Day 1 (7 <sup>th</sup> February 2026 - Saturday)				
Topics	Start Time	End Time	Total	Speaker
<i>Innovation Exchange: Exhibitor Sessions, Poster Presentations &amp; Coffee Connect</i>	18:05	18:50	0:45	-
Day 1 Concludes				
Day 2 (8 <sup>th</sup> February 2026 - Sunday)				
Topics	Start Time	End Time	Total	Speaker
Registration	7:30	8:30	1:00	-
<b>Session 5: Stem Cell Regulation: Current Concepts and Future Directions</b>				
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. Haythem Bin Hashr
<b>Session 6: From Source to Solution: Stem Cell Origins and Clinical Applications</b>				
Multipotent Solutions: Stem Cells Tackling complex chronic diseases	9:50	10:15	0:25	Dr. Emad Elzayed
Stem Cell Based Fertility Restoration and Protection	10:15	10:40	0:25	Dr. Ayman Hendy
<i>Innovation Exchange: Exhibitor Sessions, Poster Presentations &amp; Coffee Connect</i>	10:40	11:25	0:45	-
<b>Session 7: Novel approaches in stem cell therapies &amp; Regenerative Medicine</b>				
Direct somatic to neural stem cell conversion to model and revert age-linked neurological disorders	11:25	11:50	0:25	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
Lunch Break	12:40	13:40	1:00	-
<b>Session 7 Contd: Novel approaches in stem cell therapies &amp; Regenerative Medicine</b>				
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 &amp; Coffee Connect</i>	15:20	16:05	0:45	-
<b>Awards Ceremony and Closing</b>	16:05	16:45	0:40	-
Day 2 Concludes				

## Workshop Program

### 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