

ADVANCED CELLULAR THERAPIES AND REGENERATIVE MEDICINE THE PROMISE IN THE 21ST CENTURY

Tuesday, February, 17th, 2015

COSMOCAIXA BARCELONA. C/ ISAAC NEWTON, 26 . BARCELONA

9:00 WELCOME

9:15 KEYNOTE SPEAKERS: History of Cellular Therapies, Achievements, Challenges Faced and Milestones for the Future

Alejandro Madrigal, Anthony Nolan Foundation, London, UK
Sergi Querol, Banc de Sang i Teixits (BST), Barcelona, Spain

10:00 SESSION 1. TISSUE ENGINEERING AND REGENERATION. REAL CASES AND STANDPOINTS

Chairs: **Alejandro Madrigal**, Anthony Nolan Foundation, London, UK
Anna Veiga, Centre de Medicina Regenerativa de Barcelona, Barcelona, Spain

10:15 Regenerative Medicine Therapies in the 21st Century

Julie Allickson, Wake Forest Institute for Regenerative Medicine, Winston, NC, USA

10:35 Development and Clinical use of Bio-engineered Skin

José Luis Jorcano, CIEMAT, Madrid, Spain

10:55 Coffee break

11:20 Treatment of Chronic Arthritis with Adipose Tissue Stromal Vascular Fraction

Jaroslav Michalek, Masaryk University, Brno, Czech Republic

11:40 Open Debate

12:40 Position Statement of the International Society for Cellular Therapy (ISCT)

Massimo Dominici, Laboratory of Cell Biology and Advanced Cancer Therapy, University of Modena and Reggio Emilia, Italy

13:00 Lunch

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- 14:00 SESSION 2. WHICH CELLS? FIVE SOURCES TO CHOOSE FROM**
Chairs: **Agustín Zapata**, UCM, Madrid, Spain
Massimo Dominici, Laboratory of Cell Biology and Advanced Cancer Therapy, University of Modena and Reggio Emilia, Italy
- 14:15 Biological Properties and Clinical Grade Production Development of Bone Marrow Mesenchymal Stromal Cells**
Joaquim Vives, XCELIA, Advanced Therapies Division. Banc de Sang i Teixits, Barcelona, Spain
- 14:35 Adipose Tissue Mesenchymal Stromal Cells Properties and Clinical Application**
Damián García-Olmo, IDCsalud Fundación Jiménez Díaz, Madrid, Spain
- 14:55 Cellular Bone Matrix, a Differentiated Cellular Allograft for the Repair or Reconstruction of Musculoskeletal Defects**
Alan Smith, LifeNet Health, Virginia Beach, USA
- 15:15 T Cell Immunotherapy for Infectious Diseases**
Hermann Einsele, Würzburg University Medical Center, Würzburg, Germany
- 15:35 Induced Pluripotent Stem (IPS) cells for Disease Modeling and Treatment**
Ángel Raya, Centre de Medicina Regenerativa de Barcelona, Barcelona, Spain
- 15:55 Open Debate**
- 16:30 Coffee break**

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- 16:45 SESSION 3. FOR WHAT DISEASES? WHO CAN BENEFIT FROM CELLULAR THERAPY NOW AND IN THE NEAR FUTURE?**
Chairs: **Francisco Maculé**, Hospital Clínic, Barcelona, Spain
Damián García-Olmo, IDCSalud Fundación Jiménez Díaz, Madrid, Spain
- 17:00 Heart Diseases: Who can benefit from cellular therapy now and in the near future?**
Manuel Gallifanes, Hospital Vall d'Hebron, Barcelona, Spain
- 17:20 Diabetes Mellitus. How Can Be Treated by Cellular Medicines?**
Bernat Sorla, CABIMER, Sevilla, Spain
- 17:40 Mesenchymal Stem Cells for Multiple Sclerosis: Hypes and Hopes**
Antonio Uccelli, University of Genoa, Italy
- 18:00 Bone and Cartilage Regeneration with Cells and Tissue Engineering Products**
Enric Càceres, European Federation of National Associations of Orthopaedic and Traumatology. UAB, Barcelona, Spain
- 18:20 Cellular Immunotherapies for Hematological Malignancies**
Javier Briones, Hospital de Sant Pau, Barcelona, Spain
- 18:40 Open Debate**
- 19:30 Cocktail at CosmoCaixa**

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BANC DE SANG I TEIXITS. PASSEIG TAULAT, 116. BARCELONA

- 9:30 SUMMARY OF THE SESSIONS HELD THE DAY BEFORE**
Elena Hernández, Banc de Sang i Teixits, Barcelona, Spain
Aurora Masip, Banc de Sang i Teixits, Barcelona, Spain
- 10:00 Visit to the Blood and Tissue Bank Facilities**
Lluís Puig, Banc de Sang i Teixits, Barcelona, Spain
- 10:30 Coffee break**
- 11:00 OPEN SESSION: FROM BENCH TO THE BEDSIDE**
Chair: **José María Moraleda**, TerCel & Hospital Clínico Universidad Virgen de la Arrixaca, Murcia, Spain
- 11:10 Advanced Therapies Medicinal Products (ATMs) Regulations in the EU and Spain**
Marcos Tilmón, Agencia Española del Medicamento y Productos Sanitarios, Madrid, Spain
- 11:50 Relevance of Pre-Clinical Development. The Catapult Experience**
Nina Bauer, Catapult, London, UK
- 12:30 The Tigenix Case: the First Company Having a EMA Registered ATM**
Eduardo Bravo, Tigenix, Madrid, Spain
- 13:10 Concluding Remarks**
Joan Garcia, XCELIA Advanced Therapies Division, Banc de Sang i Teixits, Barcelona, Spain
José María Moraleda, TerCel & Hospital Clínico Universidad Virgen de la Arrixaca, Murcia, Spain

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