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
              Anna Veiga, Centro 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: Agustin 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
SESSION 3. FOR WHAT DISEASES? WHO CAN BENEFIT FROM CELLULAR THERAPY NOW AND IN THE NEAR FUTURE?

17:00 Heart Diseases: Who can benefit from cellular therapy now and in the near future?
Manuel Gallínanes, Hospital Vall d’Hebron, Barcelona, Spain

17:20 Diabetes Mellitus. How Can Be Treated by Cellular Medicines?
Bernat Soria, 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 Timón, 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 García, XELIA Advanced Therapies Division, Banc de Sang i Teixits, Barcelona, Spain
José María Moraleda, TerCel & Hospital Clínico Universidad Virgen de la Arrixaca, Murcia, Spain