CELL THERAPY: FROM THE BENCH TO THE BEDSIDE AND RETURN

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Los Alcázares (Murcia) 10-12 de Julio 2017

Place: Hotel 525. Calle del Río Borines 58.
30710 Los Alcázares, Murcia
902 32 55 25
Duration: 20 hours
Price: 130 €
Registration Deadline: 05/07/2017

More Information and Registration Form:
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INTERNATIONAL SUMMER COURSE.
MURCIA UNIVERSITY 2017

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Place: Los Alcázares. Murcia. Spain

Dates: July 10-12, 2017

Aims

The aim of this course is the diffusion of knowledge about stem cells and their therapeutic possibilities, with a special emphasis on Adult Stem Cells such as Hematopoietic Stem Cells and Mesenchymal Stem Cells, and their current applications in the field of Regenerative Medicine.

The course is intended to provide a review of current clinical applications of stem cells, a forum for scientific discussion with basic and clinical researchers that are experts in cellular therapy, and to present the achievements and challenges in this exciting and growing area of medical therapy.

Specific Course Objectives are:
To analyze in depth the different types of stem cells, their biological properties, their laboratory manipulation and their clinical use.
To learn about advances in the new types of hematopoietic stem cell transplantation, and new approaches of immunotherapy.
To discuss the present status of preclinical studies and clinical trials of stem cell therapy for repair of damaged tissues and organs.
Monday 10. Stem Cell Biology. Hematopoietic Stem Cell Transplantation

09:00-09:30 h. Opening Session.
Hon. Mr. José Orihuela Calatayud.
Rector of the University of Murcia. Murcia, Spain.
Hon. Dr Jesus Fernández Crespo.
Director Health Institute Carlos III. Madrid. Spain.
Hon. Dr Manuel Villegas.
Health Council of the Autonomous Community of the Region of Murcia, Spain

Morning Session
Chair: Prof. Jose M. Moraleda. Professor of Medicine. University of Murcia. Spain

09:30-10:15 h. The Biology of the Stem Cells and the niche
Prof. Agustín Zapata.
Professor of Cell Biology. Complutense University of Madrid. Madrid, Spain.

10:15-10:45 h. Hematopoietic Stem cells. Selection and manipulation for clinical use.
Prof. Miguel Blanquer, MD.
Hematology Department and SCT Unit. IMIB-Arrixaca. Virgen de la Arrixaca University Hospital.
University of Murcia. Murcia, Spain

10:45-11:15 h. Coffee break

11:15-11:45 h. Hematopoietic Stem Cell transplantation (HSCT), the beginning of cell therapy.
Prof. Jose M. Moraleda.

11:45-12:15 h. HLA principles. Immunobiology of Allogeneic Transplantation: GVHD/GVL.
Prof. Jose Antonio Perez Simón.
Professor of Hematology. Head Hematology Department. Institute of Biomedicine. Virgen del Rocio University Hospital. University of Sevilla, Spain.

12:15-12:45 h. Novel HSCT approaches: UCB Transplants. Haploidentical Transplants. Where is the future?
Prof. Rafael Duarte Palomino.
Department of Hematology. University Hospital Puerta de Hierro. Madrid, Spain.

12:45-13:45 h. Special conference: The metaphor of disease
Prof. Francisco Jarauta.
Professor of Philosophy. University of Murcia. Murcia, Spain

13:45-15:30 h. Lunch

Afternoon Session

15:00-17:30 h. Debate session: anticancer cell based immunotherapy. New strategies for cure.
Prof. Robert Sackstein. Professor of Medicine and Director, Program of Excellence in Glycosciences. Harvard Medical School, Boston. MA, USA.

15:00-15:30 h. CAR T- cells. Basic principles.
Prof. Manel Juan, MD, PhD.

15:30-16:00 h. CAR T- cells in Leukemia.
Prof. Alvaro Urbano Ispizua MD, PhD.
Director of the Institute of Hematology and Oncology, Clinic Hospital. University of Barcelona, Spain

16:00-16:30 h. CAR T- cells in Lymphoma.
Prof. Javier Briones Meijide.

16:30-17:00 h. CAR T- cells in Myeloma.
Prof. Joaquin Martinez López.

17:00-17:30 h. Discussion
Tuesday 11. Mesenchymal Stem Cells (MSC) and its therapeutic use

Morning Session

Chairs: Prof. Jose M. Moraleda. Professor of Medicine. University of Murcia. Spain
        Prof. Robert Sackstein. Professor of Medicine and Director, Program of Excellence in Glycosciences. Harvard Medical School, Boston. MA, USA.

09:00-10:00 h. Stem cell trafficking. GPS guided MSC Migration.
        Prof. Robert Sackstein
        Professor of Medicine and Director, Program of Excellence in Glycosciences. Harvard Medical School, Boston. MA, USA.

10:00-10:45 h. iPSC as a Therapeutic Tool.
        Prof. Angel Raya.
        Director Center of Regenerative Medicine in Barcelona (CMRB). Barcelona, Spain

10:45-11:15 h. Advances in Gene Therapy for Human Hematopoietic Diseases.
        Prof. Juan Bueren.
        Head of the Division of Hematopoiesis and Gene Therapy Division CIEMAT. University of Madrid. Madrid, Spain.

11:15-11:45 h. Coffee break

11:45-12:15 h. SCT for Treatment of GVHD and Cytopenias.
        Fermín Sanchez-Guijo, MD.
        Hematology Department. University Hospital of Salamanca. University of Salamanca. Salamanca, Spain.

12:15-12:45 h. SCT in Cardiac Diseases.
        Prof. Felipe Prósper.
        Director of Cell Therapy Department. Co-director Hematology Department. University of Navarra. Navarra, Spain.

12:45-13:15 h. SCT in Diabetes Mellitus.
        Prof. Bernat Soria.
        Director of the Stem Cells Department of the Andalusian Center for Molecular Biology and Regenerative Medicine (CABIMER). University Pablo de Olavide. Sevilla, Spain.

        Simon Mendez-Ferrer, PhD.

13:45-15:00 h. Lunch

Afternoon Session

Chair: Prof. Damián García Olmo
        Professor of Surgery. Autonomous University of Madrid. Madrid, Spain

15:00-15:45 h. SCT for Osteoarticular Repair.
        Prof. Javier García-Sancho.
        Professor of Physiology. School of Medicine. Institute of Biology and Molecular Genetics (IBGM). University of Valladolid. Valladolid, Spain.

15:45-16:30 h. SCT for Cartilage Repair.
        Prof. Pedro Guillén.
        Clinical Research Unit, CEMTRO Hospital. Madrid, Spain

16:30-17:15 H. SCT to improve Healing in Surgery.
        Prof. Damían Garcia-Olmo.
Wednesday 12. Stem Cell Therapy in Neurologic Diseases

Morning Session.

Chair: Prof. Salvador Martinez Perez
Director Institute of Neurosciences. UMH-CSIC. Professor of Human Anatomy and Embryology.
University Miguel Hernandez. Elche. Spain.

09:00-09:45 h. The Neural Stem Cell niche.
Prof. Isabel Fariñas.

09:45-10:30 h. SCT in Parkinson’s Disease.
Prof. Juan José Toledo.
Professor of Physiology. Director of the Department of Medical Physiology and Biophysics. Institute of Biomedical Research of Seville. IBiS, Virgen del Rocio Hospital/CSIC/University of Sevilla. Sevilla, Spain.

10:30-11:15 h. The role of Cell therapy in neurological diseases.
Prof. Antonio Uccelli.
Professor of Neurology. Neuroimmunology Unit. Department of Neurosciences, University of Genova. Genova, Italy.

11:15-11:45 h. Coffee break

11:45-12:30 h. SCT Clinical trials in Amyotrophic Lateral Sclerosis (ALS). The Murcia experience.
Prof. Salvador Martinez.
Director Institute of Neurosciences. UMH-CSIC. Professor of Human Anatomy and Embryology.
University Miguel Hernandez. Elche. Spain.

12:30-13:15 h. SCT Clinical trials in ALS. The European experience.
Prof. Fabiola De Marchi.
Tertiary ALS Center. Department of Neurology, Eastern Piedmont University, Maggiore della Carità Hospital. Novara, Italy.

13:15-14:00 h. Clinical trial design in stem cell therapy for neurodegenerative diseases.
Prof. Nazem Atassi.
Assistant Professor of Neurology. Massachusetts General Hospital. Boston. USA

14:00-15:00 h. Lunch

Afternoon Session

15:00-17:30 h. Debate session: MSC therapy and the society. Ethical and regulatory aspects. Did we fulfil the expectations? What have we learnt and prospects for the future.
Chairs: Prof. Robert Sackstein. Prof. Salvador Martinez.

Discussants:
Opinion of the AEMPS.
Sol Ruiz, PhD.
Head of the Unit of Biotechnology and Advanced Therapies at EMA. Madrid, Spain.

Opinion of Italian Scientists
Prof. Antonio Uccelli. Prof. Letizia Mazzini.
University of Genova. Genova, Italy. University of Piedmont, Italy

Opinion of an American Scientist
Prof. Nazem Atassi.
Assistant Professor of Neurology. Massachusetts General Hospital. Boston. USA.

Opinion of a Spanish Scientist
Prof. Agustín Zapata.
Professor of Cell Biology. Complutense University of Madrid. Madrid, Spain.

17:00-17:30 h. Closing ceremony and awarding of certificates