

Directors:

Prof. José M. Moraleda, Professor of Medicine, Hematopoietic Stem Cell Transplant Program Coordinator. Virgen de la Arrixaca. University Hospital. University of Murcia, Murcia, Spain.
Prof. Salvador Martínez, Professor of Neuro-Anatomy and Embryology, Experimental Embryology Lab. Institute of Neurosciences-CSIC, Univ. Miguel Hernández, Alicante, Spain.
Prof. Damian Garcia Olmo, Professor of Surgery, Director of the Cell Therapy Unit and Head of the Colorectal Surgery Unit. La Paz University Hospital. Autónoma University of Madrid, Spain.
Prof. Robert Sackstein, Director of the Translational Research Program Bone, Marrow Transplantation, Massachusetts General Hospital, DFIHCC, Associate Professor, Department of Medicine, Harvard Medical School, Boston (USA).

Aims and Objectives:

The aim of this course is the diffusion of knowledge about stem cells and their therapeutic possibilities, with a special emphasis on Hematopoietic Stem Cell Transplants and Regenerative Medicine. The course is intended to provide a forum for scientific discussion with basic researchers and clinical experts in cell therapy, and to set out the achievements and challenges in this exciting new area of Medicine.

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 the new types of hematopoietic cell transplantation, and new approaches of immune modulation.
To discuss the present clinical trials of stem cell therapy for repairing organs and tissues.

Who is the course aimed at?:

Students, graduates, researchers and others interested in the subject.

Place:

Hotel Puerto Juan Montiel.
Avda. Puerto Deportivo, 1.
Playa de Poniente. Aguilas. Murcia. Spain.

Duration:

25 hours.

Max enrollment:

100 students.

Price:

160 €. From 12/06/2012 the price will be 190 €.

REGISTRATION RULES

Please complete the Registration Form.

Fill in the form students must visit the official website:

<http://www.um.es/unimar>

Payment Methods:

- Credit Card (Website)
- Cash – only in person: Download the Payment form. Fill in the form and return it with your payment to Universidad del Mar.

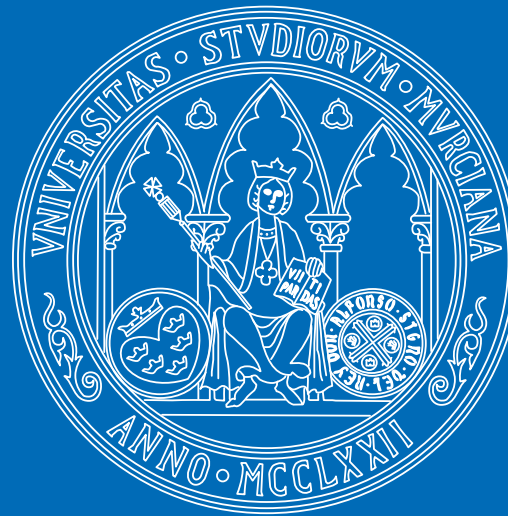
Banks: CAM, CAJAMURCIA, CAJAMAR and BANCO SANTANDER.

Once payment is made you will be enrolled in the course. Students must be enrolled and have a regular attendance to obtain the diploma or its equivalent.

CREDIT RECOGNITION

This course enable you to obtain elective credits at the Universidad of Murcia, in accordance with the Universtiy's academic regulations.

Students registered at other universities must provide the Credit Recognition requirements for transfer of credit toward their degree program at their home university (certificate, diploma, program...).



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Cell therapy from the bench to the bedside and return.

Águilas

Del 11 al 13 de Julio.

Actividades
de verano

29ª edición- 2012



Ayuntamiento de
Águilas

UNIVERSIDAD DE
MURCIA

Cell therapy from the bench to the bedside and return



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Wednesday, Jul, 11th. HSCT. New modalities & applications.

Morning Session

08:45. Welcome.

Hon. Ms. María Ángeles Palacios Sánchez. Health Council of the autonomous community of the region of Murcia. Spain.

Hon. Mr. Jose Antonio Cobacho. Rector of the University of Murcia. Spain.

Hon. Mr. Joaquin Arenas. Director Institute of Health Carlos III. Madrid. Spain.

09:00. HSCT as immunotherapy.

Prof. Robert Sackstein. Director of the Translational Research Program BMT. Massachusetts General Hospital. DF/HCC. Dept. of Medicine, Harvard Medical School. Boston. USA.

09:45. Coffee break.

10:00. Debate session: New HSCT approaches.

Chair: **Prof. Jose M. Moraleda.** Professor of Medicine. HSCT Program Coordinator. Virgen de la Arrixaca University Hospital. University of Murcia. Spain.

Cord Blood Transplants.

Guillermo Sanz, MD, PhD. Department of Hematology BMT, University Hospital La Fé. Valencia. Spain.

Haploidentical transplants. NK immunotherapy.

Prof. Franco Locatelli. President Italian association for Pediatric Hematology and Oncology. Research Center, Bambino Gesù Children Hospital, Rome. University of Pavia, Italy.

New strategies for pos-transplant immunomodulation.

Prof. José Antonio Pérez Simón. Professor of Hematology. Dept. of Hematology. Institute of Biomedicine, Virgen del Rocío University Hospital, University of Sevilla. Spain.

Hematopoietic stem cells donation in Spain.

Prof. Gregorio Garrido. Head of Service. Spanish National Transplant Organization (ONT). Madrid. Spain.

13:30. Breakfast.

Afternoon Session

15:00. MSC. A new paradigm for cell immunomodulation.

Prof. Antonio Uccelli. Professor of Neurology. Neuroimmunology Unit. Dept. of Neurosciences. University of Genova. Italy.

16:00. Cell therapy for treatment of malignant and non malignant disorders.

Prof. Shimon Slavin. Professor of Medicine, Scientific & Medical Director International Center for Cell Therapy & Cancer Immunotherapy (CTCI). Tel Aviv. Israel.

17:00. Expert Opinion: Unsolved problems for the success of Mesenchymal stem cells therapy.

Chair: **Prof. Robert Sackstein.** Director of the Translational Research Program BMT. Massachusetts General Hospital. DF/HCC. Dept. of Medicine, Harvard Medical School. Boston. USA.

Discussants:

Prof. Franco Locatelli: number or source of cells?

Prof. Antonio Uccelli: type of cells?

Prof. Shimon Slavin: place of infusion?

Thursday, Jul, 12th. Stem cell therapy. Clinical trials.

Morning Session

08:45. Stem cell therapy (SCT) in ischemic heart diseases.

Prof. Francisco Fernández-Avilés. Professor of Medicine. Dept. of Cardiology, University Hospital Gregorio Marañón. Complutense University, Madrid. Spain.

09:30. SCT in Diabetes Mellitus.

Prof. Bernat Soria. Director Stem Cells Dept. of the Andalusian Center for Molecular Biology and Regenerative Medicine (CABIMER). University Pablo de Olavide, Seville. Spain.

10:15. Coffee break.

10:45. SCT to improve Surgery and Healing.

Prof. Damián García-Olmo. Professor of Surgery. Director of the Cell Therapy Unit and Head of the Colorectal Surgery Unit. La Paz University Hospital. Autónoma University of Madrid. Spain.

11:30. SCT for Crohn's disease.

Rachele Ciccocioppo, MD. Centre for the Study and Cure of Inflammatory Bowel Disease, Clinica Medica I, IRCCS San Matteo Hospital Foundation, University of Pavia, Pavia. Italy.

12:15. SCT for bone and cartilage repair.

Prof. Javier García-Sancho. Professor of Physiology. School of Medicine. Institute of Biology and Molecular Genetics (IBGM). University of Valladolid. Spain.

Prof. Pedro Guillén. Clinical Research Unit, CEMTRO Hospital, Madrid. Spain.

13:30. Breakfast.

Afternoon Session

15:00. Debate session: SCT in Neurodegenerative diseases (ND).

Chair: **Prof. Jose M. Moraleda.** Professor of Medicine. HSCT Program Coordinator. Virgen de la Arrixaca University Hospital. University of Murcia. Spain.

Discussants:

SCT in Amyotrophic Lateral Sclerosis. Results in animal models.

Prof. Salvador Martínez. Professor of Neuro-Anatomy and Embryology. Experimental Embryology Lab. Institute of Neurosciences-CSIC, Universidad Miguel Hernández, Alicante. Spain.

Translating Stem Cell Studies to the Clinic for ALS: Current State of the Art.

Letizia Mazzini, MD. Head of the tertiary ALS Center. Department of Neurology, Eastern Piedmont University, Maggiore della Carità Hospital, Novara. Italy.

Cell therapy in Parkinson disease.

Prof. Juan José Toledo. Professor of Physiology. Dept. of Medical Physiology and Biophysics. University of Seville. Spain.

The use of cell therapy for treatment of neuroinflammatory and ND.

Prof. Chaya Brodie. Professor of Medicine, Bar-Ilan University. International Center for Cell Therapy & Cancer Immunotherapy (CTCI). Tel Aviv. Israel.

Stem cell differentiation for cell replacement strategies in ND.

Prof. Josep M. Canals. Professor of Cellular Biology. Dept. of Cell Biology, Immunology and Neuroscience. University of Barcelona. Spain.

Friday, Jul, 13th. Stem cells and gene therapy: New insights.

Morning Session

08:45. The stem cell microenvironment.

Prof. Isabel Fariñas. Professor Cellular Biology. Dept. Cellular Biology. University Valencia CIPF. Spain.

Prof. Agustín Zapata. Professor of Cellular Biology. Complutense University of Madrid. Spain.

09:45. Induced pluripotent stem cells.

Prof. Angel Raya. ICREA Research Professor. Institute Bioengineering Catalonia. Barcelona. Spain.

10:20. Coffee break.

10:40. Debate Session: Cell and Gene therapy in 2012.

Chair: **Prof. Felipe Prósper.** Director of Cell Therapy. Co-director Hematology Dept. University Navarra. Spain.

New insights in Cell Therapy. The hematologist point of view.

Prof. Alejandro Madrigal. EBMT Association President. Scientific Director The Anthony Nolan Trust. Chair of Haematology. Royal Free and University College Medical School, London. UK.

Gene therapy in Fanconi Anemia.

Prof. Juan Bueren. Head of the Division of Hematopoiesis and Gene Therapy Division CIEMAT. University of Madrid. Spain.

Gene therapy in neurodegenerative diseases.

Prof. Natalie Cartier-Lacave. Hospital Saint Vincent de Paul. INSERM. University of Paris. France.

13:30. Breakfast.

Afternoon Session

15:00. Cell engineering. Fucosylation, a new paradigm.

Prof. Robert Sackstein. Director of the Translational Research Program BMT. Massachusetts General Hospital. DF/HCC. Dept. of Medicine, Harvard Medical School. Boston. USA.

16:00. Debate session: cell production, safety and financial issues.
Chair: **Prof. Alejandro Madrigal.** EBMT Association President. Scientific Director The Anthony Nolan Trust. Chair of Haematology. Royal Free and University College Medical School, London. UK.

Discussants:

Cell production: Open systems.

Prof. Ana Sanchez. Professor of Physiology. School of Medicine. Institute of Biology and Molecular Genetics (IBGM). University of Valladolid. Spain.

Cell production: Closed systems.

Miguel Blanquer, MD. Hematology Department. Virgen de la Arrixaca University Hospital. University of Murcia. Spain.

Regulatory problems.

Sol Ruiz, PhD. The Spanish Agency for Medicines and Health Products. Madrid. Spain.

Non-commercial clinical trials grants.

Natividad Calvente, PhD. Head of Area. Unit Research Grants. Department of Pharmacy and Health Products. Ministry of Health. Madrid. Spain.

Closing ceremony and awarding of certificates.