REGISTRATION RULES
Complete the Registration Form at the official website: https://www.um.es/unimar/ficha-curso.php?estado=V&cc=51399
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 Internacional del Mar.
Banks: SABADELLCAM, BANCO MARE NOSTRUM, 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 enables you to obtain elective credits at the Universidad de Murcia, in accordance with the University’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…)

The Course is pending approval by the Murcian Public Health System for being declared of Scientific and Medical Interest.

SUMMARY
Stem cells (embryonic, induced pluripotent and adult) are a potentially unlimited source of cells for research or for clinical use in transplantation. The ability of these cells to improve function or repair damaged tissue in animal models of disease has contributed to high expectations in the development of new therapies for human diseases that currently have no cure such as diabetes, Parkinson’s and ischemic or degenerative diseases.
It seems appropriate to organize a forum for knowledge expansion of this type of cells, their biological characteristics, techniques of collection and handling in the laboratory and, particularly, its current and future therapeutic options, with scientists in basic science and clinic. This will get an objective, critical and useful information for the assistants.

TARGET GROUP
Students, graduates and others interested in the subject.
MONDAY 11. Bone Marrow Stem Cells. Hematopoietic Stem Cell Transplantation (HSCT)

- 09:00 h. Open Session.
Hon. Mr. José Orihuela Calatayud. Rector of the University of Murcia. Spain.
Hon. Mr. Javier Castrédeza. Secretary General for Health and Consumers. Ministry of Health.
09:30 h. The Big question: Is there a Hematopoietic Stem Cell? Prof. D. Moraleda, PhD.
M. Dolores López Lucas, PhD. Department of Hematology and HSCT Program. Institute of Biomedical Research of Murcia (IMIB), Virgen de la Arrixaca University Hospital (HCUVA), Murcia. Spain.
10:00 h. Obtaining Hematopoietic Progenitors: Cellular Selection. Prof. Miguel Blanquer. Hematology Department. HCUVA – IMIB. University of Murcia, Murcia, Spain.
- 10:30 h. COFFEE BREAK.

WEDNESDAY 13. Mesenchymal Stem Cells (MSC) and Induced Pluripotent Stem Cells (iPSC). Scientific Base for Therapeutic Use

- 09:00 h. The stem Cell Niches. Prof. Agustín Zapata. Prof. Cellular Biology, Complutense Univ. of Madrid. Spain.
- 10:45 h. COFFEE BREAK.

THURSDAY 14. Stem Cell Therapy (STC) and Tissue Engineering.
Clinical Trials in Non-Neurological Diseases

- 09:00 h. SCT in Cardiac Diseases. Prof. Felipe Prosper. Director of Cell Therapy Department. Co-director Hematology Department. University of Navarra. Pamplona. Spain.
- 09:30 h. S&T in Diabetes Mellitus. Prof. Antonio Soria. Director of the Stem Cells Department of the Andalusian Center for Molecular Biology and Regenerative Medicine (CABIMER), University Pablo de Olavide. Seville, Spain.
- 10:00 h. S&T for Osteoarticular Repair. Prof. Javier Gutiérrez-Sanchez. Professor of Physiology, University of Valladolid. Institute of Biology and Molecular Genetics (IBGM), Valladolid, Spain.
- 10:30 h. COFFEE BREAK.

FRIDAY 15. Stem Cell Therapy (SCT). Clinical Trials in Neurological Diseases Use

- 09:30 h. S&T in Parkinson's Disease. Prof. Massimo Dominici, Prof. in Oncology and Hematology. Laboratory of Cell Biology and Advanced Cancer Therapy. President International Society of Cellular Therapies (ISCT). University of Modena and Reggio Emilia. Modena, Italy.
- 10:45 h. Working session: Gene editing. Theoretical and practical issues. Chair: Prof. José Carlos Segovia. Discussants: David Garcia Bernal, PhD. & José M. Millán Rivero, PhD.

Hematology Department and HSCT Program. HCUVA – IMIB. Murcia, Spain.

- 13:00 h. LUNCH.
- 15:00 h. S&T based new strategies.

GRAND FINALE
- 09:00 h. Final Session: Hematopoietic Stem Cell Transplantation. Prof. Alejandro Madrigal, PhD. Chair of Hematology, Department of Hematology. The Royal Free and University College Medical School. London, UK.
- 12:00 h. CAR T-cells. Prof. Sergio Giralt. Professor of Medicine Well Cornell College of Medicine. Chief, Adult Bone Marrow Transplant Service. Division of Hematologic Oncology. Memorial Sloan-Kettering Cancer Center. New York, NY, USA.
- 13:00 h. LUNCH.
- 15:00 h. Debate session: Harnessing the GVL Effect. New strategies for cure with cells. Chairs: Prof. José M. Moraleda and Prof. Francisco Locatelli

TUESDAY 12. HSCT Immunotherapy & New Approaches

- 09:00 h. HSCT ambulatory program. Prof. Gonzalo Gutiérrez. Hematology Department Hospital Clinic, Barcelona, Spain.
- 10:30 h. COFFEE BREAK.

Discussions: Carmen Alguero Martin, PhD & Dario Sánchez Salinas, Ph.D., Hematology Department & HSCT Program. HCUVA–IMIB. Murcia, Spain.

- 18:00 h. Book Presentation “Días de rabia” Written by Prof. Dr. Alejandro Madrigal. Moderated by Juan Tomás Frutos. Prof. of Internal Communication and Programming Audiovisual at University of Murcia.

Programme: TUESDAY 12. HSCT Immunotherapy & New Approaches

- 09:00 h. HSCT ambulatory program.
- 08:45 h. Immunoglobulin Transplantation.
- 10:30 h. COFFEE BREAK.

Discussions: Carmen Alguero Martin, PhD & Dario Sánchez Salinas, Ph.D., Hematology Department & HSCT Program. HCUVA–IMIB. Murcia, Spain.

- 18:00 h. Book Presentation “Días de rabia” Written by Prof. Dr. Alejandro Madrigal. Moderated by Juan Tomás Frutos. Prof. of Internal Communication and Programming Audiovisual at University of Murcia.