

## PARTNERS



José Carreras Stammzellbank  
Düsseldorf Germany



**emtact**  
European Master in Transfusion Medicine  
and Advanced Cell Therapies



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and Advanced Cell Therapies  
[www.emtact.eu](http://www.emtact.eu)

LANGUAGE	English.
MODALITY	100% online.
FEES	7.700€.
START DATES	16 April 2012.
END DATES	September 2014.
APPLICATION PERIOD	From January to March 2012

**More information:** [www.emtact.eu](http://www.emtact.eu)

**First online international Master** in Transfusion Medicine and Advanced Cell Therapies.

Created by the best international experts and supported by top European institutions and universities.





# COORDINATORS

- MODULE I. Blood donation.**
- Dr. Paolo Rebullà. Fondazione Ca' Granda - Ospedale Policlinico.
  - Dr. Silvia Sauleda. Banc de Sang i Teixits de Catalunya.

- MODULE II. Transfusion.**
- Dr. Enric Contreras. Banc de Sang i Teixits de Catalunya.
  - Dr. Joan Ramon Grifols. Banc de Sang i Teixits de Catalunya.

- MODULE III. Immunoematology**
- Dr. Eduardo Muñiz. Banc de Sang i Teixits de Catalunya.
  - Dr. Masja de Haas. Sanquin Blood Supply Fundation.

- MODULE IV. Cell and tissue therapies. Tissue Bank.**
- Dr. Jaap Jan Zwaginga. Leiden University Medical Centre.
  - Dr. Yves Béguin. Banque de Sang de Cordon Universitè de Liège.
  - Dr. Joan Garcia. Banc de Sang i Teixits de Catalunya.

- MODULE V. Transfusion Medicine management concepts.**
- Dr. Isabel López. Banc de Sang i Teixits de Catalunya.

# SPECIFIC COMPETENCES

**MODULE I. BLOOD DONATION**  
**To be able:** To select, assist donors and ensure their long term fidelity.  
 To design safe strategies on the blood donation processes according to European regulation.

To identify and analyse quality indicators in the different methodologies of blood components production.

**MODULE II. TRANSFUSION**  
**To be able:** To correctly select blood components transfusion with special attention to the management of possible adverse reactions.

**MODULE III. IMMUNOHEMATOLOGY**  
**To be able:** To define laboratory strategies for the diagnostic of haemolytic disease, immune cytopenias, and other immuno-hematologic (adverse) effects of transfusion.  
 To know and define compatible blood selection procedures for these disorders.

**MODULE IV. CELL AND TISSUE THERAPIES. TISSUE BANKS**  
**To be able:** To apply current knowledge on the biological principles of cellular therapies and regenerative medicine to medical practice.

**MODULE V. TRANSFUSION MEDICINE MANAGEMENT CONCEPTS**  
**To be able:** To acquire an integrated overall vision of the management of the Blood and Tissue Banks and other cell therapy organisations; acknowledging issues like planning and strategic control, management control, quality control, human resources, marketing and social environmental responsibility.

# TRANSVERSAL COMPETENCES

- Communication skills.
- Teamwork.
- Critical thinking.

The current concept of Transfusion medicine does not only focus on the transfusion of blood components but also on other activities such as hematopoietic transplants, cell and tissue therapy and immunotherapy. In addition, Transfusion medicine relies more and more on sophisticated laboratories testing techniques in order to minimize the risks of disease transmission, maximise the compatibility of cells and tissues and ascertain the causes of adverse immunological reactions. The EMTACT Programme covers the study of new treatments and new techniques and is intended for transfusion medicine experts as well as for other interested healthcare professionals.

## LEARNING OUTCOMES

The aim of the Master's programme is to provide a broad training in Transfusion medicine and associated fields so that students acquire the necessary skills to work in transfusion centres and also to carry out research in the related areas or develop technically qualified projects.

## DEGREE OBTAINED UPON COMPLETING THE PROGRAMME

Joint Degree awarded by the Universitat Autònoma de Barcelona and the Université de Liège entitled:

- Master Diploma in Transfusion Medicine and Advanced Cell Therapies / Certificat Interuniversitaire en Médecine Transfusionnelle et Thérapies Cellulaires Avancées.

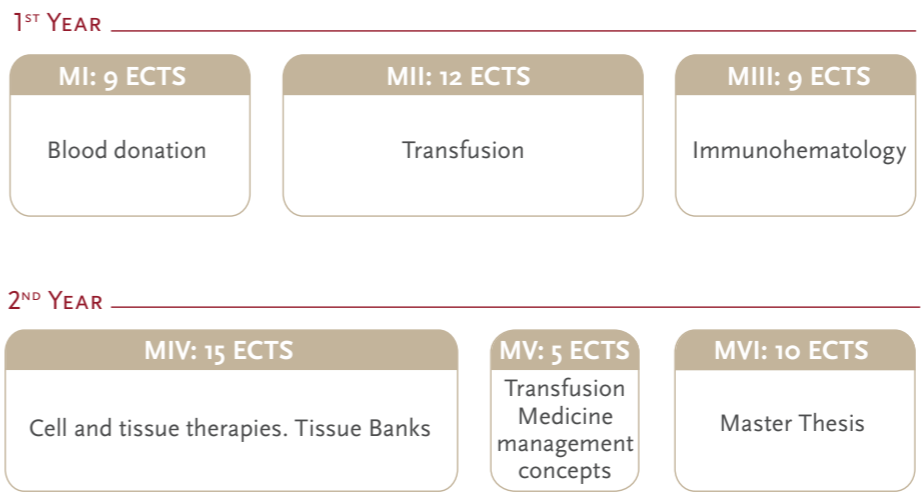
## TARGET GROUP AND ADMISSION CRITERIA

This programme is aimed at professionals with a relevant degree in health sciences who develop their career on the Transfusion Medicine field.

## ADMISSION CRITERIA

In order to be enrolled in a master's Programme, 240 ECTS and High English Level are required.

# MASTER STRUCTURE



# CONTACT

**emtact**  
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**Marina Vilarmau Prados**  
 PROJECT MANAGER

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