

Official Master's Degree in Transfusion Medicine and Cellular and Tissue Therapies

*Joint degree with Leiden University
Medical Centre (Netherlands)*

Unique online training in Europe

*100% in English or bilingual
Spanish-English*

Official Master's Degree in Transfusion Medicine and Cellular and Tissue Therapies

Bilingual Spanish-English or 100% in English online training in transfusion medicine and cellular and tissue therapies to practise professionally in transfusion centres and lead research projects.

Transfusion medicine has grown exponentially in recent decades. The **current concept of transfusion medicine** includes both transfusion of blood components and hematopoietic transplants, cellular and tissue therapy and immunotherapy, areas that integrate the curriculum of the Official Master's Degree in Transfusion Medicine and Cellular and Tissue Therapies.

This Official Master's Degree has been conceived by the best international experts in this field and is **linked to the Chair of Transfusion Medicine and Cellular and Tissue Therapy (CMT3)**, formed by members of Universitat Autònoma de Barcelona, the Salut i Envelliment Foundation and the Blood and Tissue Bank.

From 2023-24, the Master's Degree widens in international dimension by offering a **joint degree with Leiden University Medical Centre (LUMC), specialising in clinical transfusion, a leader in transfused cellular therapies for regenerative medicine in the Netherlands** and linked to Sanquin, the Dutch blood and tissue bank.

The collaboration between Universitat Autònoma de Barcelona, Leiden University, Sanquin and the Blood and Tissue Bank forms **one of the most potentially powerful international alliances for the creation and transmission of knowledge** in the field of Cellular and Tissue Transfusion Medicine, and with the present Master's Degree as a spearhead with the greatest impact.

Objectives

- Provide highly specialised and up-to-date training in transfusion medicine and advanced cellular therapies.
- Develop specific competences related to the analysis and implementation of the latest developments in the field.
- Promote the ability to make strategic and operational decisions to improve job expectations or accessing responsible work areas in those different positions in the blood transfusion value chain.

Student profile

- University graduates in Medicine, Pharmacy, Biomedical Sciences and Biology or equivalent.
- University graduates in Nursing with a minimum of 4-year experience in transfusion medicine services.

Study plan

The Master's Degree is 60 ECTS credits distributed in two semesters.

Module	Credits
M.1 <i>Blood donation</i>	9
M.2 <i>Blood transfusion</i>	9
M.3 <i>Immunohematology</i>	9
M.4 <i>Cellular and tissue therapy. Tissue bank</i>	12
M.5 <i>Project management in a blood and tissue bank</i>	6
M.6 <i>Master's degree final project</i>	15

“ *Unique joint training programme in online format in Europe in this field* ”

“ *Renewed curriculum with new scientific content and technological advances* ”

General information

Modality: online.

Credits: 60 ECTS.

Duration: 1 academic year.

Places: 50.

Start and end: from 23/10/2023 to 05/07/2024.

Languages: 100% in English or bilingual Spanish and English.

Price: 150 € / credit, including taxes and school insurance.

Register: at www.uab.cat/en

Admission requirements

- To enrol the Master's Degree in English, a command of English language equivalent to B2 is required.
- To enrol the bilingual Spanish-English Master's Degree, a command of Spanish language equivalent to C1 and of English language equivalent to B1 are required (the study plan includes readings and didactic materials in English).

Coordination

Barcelona:

Dr. Joaquim Vives PhD

Senior Researcher, Group Leader, Blood and Tissue Bank, Barcelona.
Main researcher in the Musculoskeletal Tissue Engineering Group (VHIR).

Leiden:

Dr. Jaap Jan Zwaginga

Doctor in Transfusion Medicine. Professor,
Leiden University Medical Centre
(Netherlands)

Job opportunities

This Master's Degree enables students to practise professional activities, lead research projects and develop technically qualified projects in the following:

- Transfusion centres
- Hospital donation and transfusion services
- Private sector entities
- Biopharmaceutical companies
- Tissue banks
- Umbilical cord blood banks



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