



Direzione Innovazione
e Internazionalizzazione

**UNIVERSITÀ
DI TORINO**

ID

VP003_BIOTEC

Visiting Professor Program Academic Year 2024/2025

TEACHING COMMITMENT: 12 hours

COURSE TITLE

Medical Pathophysiology C

TEACHING PERIOD

1st term

SCIENTIFIC AREA

Experimental medical sciences

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

The following topics will be discussed in the course:

Hematopoiesis;

Pathophysiology and classification of anemia;

Pathophysiology of white blood cell disorders, acute and chronic leukemia;

Lymphopoiesis and lymphoma;

Monoclonal gammopathies;

Autologous and allogeneic stem cell transplantation;

Physiology of hemostasis and coagulation disorders;

Cellular therapies in hematological malignancies.

LEARNING OBJECTIVES

Detailed understanding of the pathophysiological mechanisms underlying the development haematological disorders. Recognition of the relationship between pathogenic processes and altered physiological responses. Knowledge of the possible biotechnological approaches aiming to generate additional insights in these areas of research and to produce novel therapeutic strategies, including cellular therapies.

VISITING PROFESSOR PROFILE

Clinical and research experience in hematological diseases and cellular therapy. Scientific production in the field of cellular therapy. Proved teaching and mentoring activity.

CONTACT REFERENT

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