



Direzione Ricerca,  
Innovazione e  
Internazionalizzazione

**UNIVERSITÀ  
DI TORINO**

**ID**

**VP\_012\_BIOTEC**

## **Visiting Professor Program Academic Year 2025/2026**

**TEACHING COMMITMENT:** 16 hours

**COURSE TITLE**

**Medical Pathophysiology C**

**TEACHING PERIOD**

I semester

**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.

## **OTHER ACTIVITIES BESIDE THE COURSE**

---

### **VISITING PROFESSOR PROFILE**

The Visiting Professor should have clinical and research experience in hematological diseases and cellular therapy, scientific production in the field of cellular therapy and proved teaching and mentoring activity.

### **CONTACT REFERENT**

Candida Vitale  
candida.vitale@unito.it