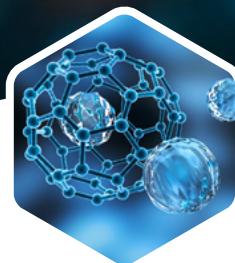


# MemBioMed

## ERASMUS MUNDUS JOINT MASTER

FROM MEMBRANE BIOLOGY TO NEUROSCIENCE  
AND EXPERIMENTAL MEDICINE



**A MULTIDISCIPLINARY TRAINING ON VARIOUS ASPECTS OF BIOMEMBRANES  
WITH CUTTING-EDGE TECHNOLOGICAL AND THERAPEUTIC STRATEGIES**



**Università  
di Genova**



- 15 Scholarships available per cohort
- First cohort starts in Sep. 2025
- An ambitious scientific program and a unique opportunity to travel and study abroad



Co-funded by  
the European Union

[life.univ-cotedazur.eu/international/membomed](http://life.univ-cotedazur.eu/international/membomed)



# Partner Universities

The MemBioMed project is driven by the ambition of three universities, renowned worldwide for offering high-quality local master's degrees in biology, to create a joint master's degree in biomembranes, providing added value of international mobility, academic excellence, complementarity and innovation.



Osnabrück, Germany



Genoa, Italy



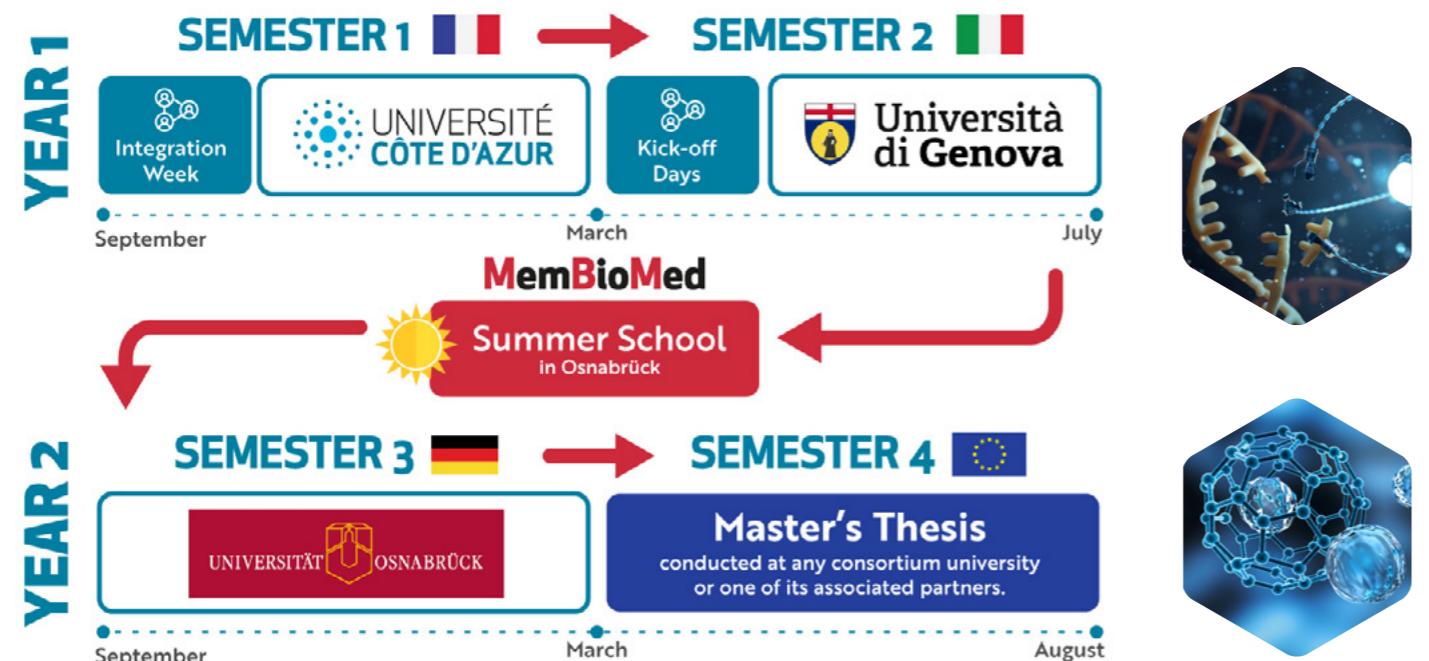
Nice, France

## A Unique Academic Path loaded with International Mobility

MemBioMed programme is a 2-year Master's programme, consisting of 4 semesters. During semesters 1, 2 and 3, students are part of local Masters programmes at the three partner universities for the most relevant teaching modules that have been chosen. In addition, specially tailored modules have been developed in each University. Theoretical courses are complemented by practical training in research laboratories or at one of our private partners in the form of lab rotations and research projects during each semester enabling students to gain experience in a variety of research topics and methodologies.

Semester 4 consists exclusively of the Master project and the writing of the Master's thesis, which will be prepared in one of the partner institution's research laboratories or industrial associated structures.

To complement the traditional theoretical and practical modules, orientation events have been included in the academic programme, in the form of an integration week, kick-off days and a summer school. Those events have been designed to enrich the traditional modules with a fuller range of notions and techniques to better apprehend biomembrane-related projects in both fundamental and applied research contexts, for networking with relevant scientific communities from academia and industry, and to provide soft skills designed to meet the changing needs and expectations of the professional world.



## MemBioMed

is an elite international programme designed to develop future leaders in biomedicine, neuroscience, and nanotechnology

### UNLOCKING THE POTENTIAL OF BIOMEMBRANES : a crucial step in the evolution of biomedical science

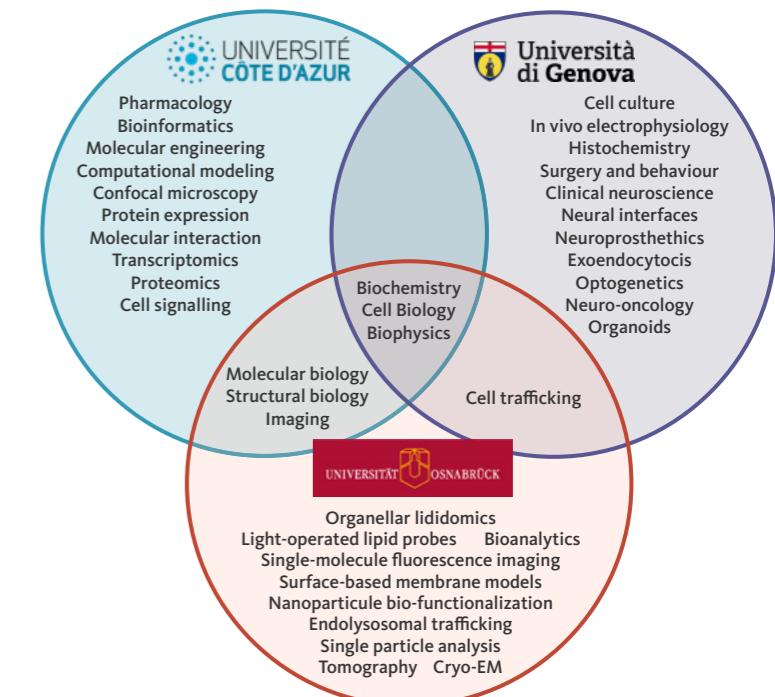
Membranes influence nearly every aspect of organismal physiology, making the modulation of membrane-bound molecules a powerful strategy for therapeutic intervention. In fact, drugs that target membrane proteins account for approximately 60% of the international market share of therapeutics.

As biomembrane research will occupy a central position in biomedical science for many decades to come, it is of utmost importance to train young scientists in this specific field.

A detailed understanding of the pathways and mechanisms that govern the assembly and proper functioning of cellular membranes requires input from multiple disciplines, notably cell biology, structural biology, pharmacology, (neuro)physiology, (bio)physics, (bio)chemistry, and (bio)informatics.

## A Programme built on synergistic strengths

The complementary strengths of the three MemBioMed partner universities —spanning teaching expertise, academic resources, cutting-edge research centers, and advanced technological platforms— ensure comprehensive and dynamic training in membrane biology.



### Organization of the programme into modules

	S 1 France	Integration Week	Structural Biochemistry	Molecular Biology of the Cell	Membrane Transport and Medicine	Biophysics/ Therapeutics	Tools Modules	LAB ROTATION #1
S 2 Italy		Kick-Off Days		Human Genetics and Molecular Pathology	Neurobiology and Neurophysiology	Protein Expression and Engineering	Business Economics	LAB ROTATION #2
S 3 Germany		Summer School	Advanced Methods in Membrane Biology		RESEARCH PROPOSAL	Language & Culture		RESEARCH PROJECT
MASTER THESIS								

## 15 scholarships available per cohort for selected students

For each cohort, the MemBioMed Erasmus Mundus Joint Master Programme offers **15 scholarships (1400€/month for 2 years)** for selected students.

Admitted students who are not selected for the EMJM will be enrolled as MemBioMed students with the following participation costs covering local tuition fees, student insurance and joint education activities:

- European Students: 500€/full programme
- Non-European Students: 7758€/ full programme

# Why join the MemBioMed Erasmus Mundus Joint Master?

**Immersive learning**  
in 3 leading European universities



**Practical training in academic research laboratories and industry**  
(lab rotations, research proposal and master thesis internship)



An **international, multicultural, diverse and inclusive multidisciplinary** training programme



**Special Events** and orientation



**Intensive training** in research laboratories, hospitals or industry

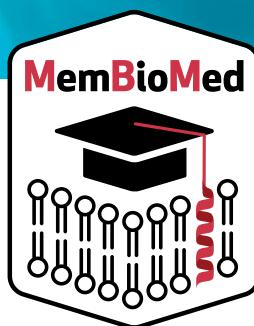


Amazing opportunity to enjoy academic **mobility across Europe**



**Multiple diplomas** with international recognition

**Website & Application**



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