UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

# Translational Approach To Neurological Disorsers

**2425-2-F0901D047**

## Aims

The student should be able to integrate basic knowledge regarding the field of neuroscience, besides pathogenic mechanisms, therapeutic goals and present research trends in the main nervous system and cardiovascular diseases.

## Contents

This course aims at contributing to the training of a medical biotechnologist able to integrate basic principles of neuroscience in order to understand the biological basis, main pathogenic mechanisms and experimental models regarding nervous system and cardiovascular diseases. Models will be analyzed stressing critical aspects and role in the development of novel therapeutic strategies.

## Detailed program

Please refer to each Teaching Unit:

1. Mechanisms and Biomarkers of Neuronal Damage
2. Mechanisms and Models of Vascular Diseases

## Prerequisites

Basic knowledge of anatomy and histology, physiology and general pathology and neuropharmacology.

Advanced knowledge of biochemistry, molecular biology and genetics.

## Teaching form

In-presence erogative: 44 hours total.

## Textbook and teaching resource

Slides, scientific papers.

## Semester

First semester second year.

## Assessment method

Vascular module: Written examination.

Neurological module: Oral examination.

## Office hours

By email to the Professor: lucio.tremolizzo@unimib.it

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING