

# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

### **COURSE SYLLABUS**

# Experimental methods for the study of the membrane excitability

**2324-76R-EXTREME** 

#### **Title**

Experimental Methods for the study of the membrane excitability

#### Teacher(s)

Prof.ssa Ilaria Rivolta

#### Language

italian/english

#### **Short description**

Electrophysiology is the measurement of the electrical activity, or "excitability," of cells (be they muscle cells, neurons, or stem cells). This can be done at the single cell level or it can include simultaneous measurements from hundreds or thousands of cells. This course focuses on single cell or 2D layer electrophysiology and introduces the fundamentals of electrophysiological investigation by describing the different electrophysiological techniques used to explore and understand excitable tissues and organs.

### **CFU / Hours**

1 CFU/8 hours

# **Teaching period**

Second semester

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING