



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### **Patient-Derived in vitro Glioma Models: from patients to dish to 3D bioprinting technology**

2122-90R-MOD1

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#### **Title**

Patient-Derived in vitro Glioma Models: from patients to dish to 3D bioprinting technology

#### **Teacher(s)**

Bentivegna Angela

Giussani Carlo

Russo Laura

#### **Language**

Italian/English

#### **Short description**

The aim of the course is to provide an insight into the techniques used in the laboratory to set up cell cultures derived from glioma biopsies and their use as a 3D preclinical model. In particular, the path from the operating room will be followed, starting from the patient and his neurosurgery, to isolate cancer stem cells from biopsy, their in vitro expansion, their molecular characterization, their use in 3D models, to test new possible therapies.

## **CFU / Hours**

1CFU/8h

## **Teaching period**

9 September 13:00 - 15:00 Carlo Giussani (introduction on brain tumors)

16 September 14:00 -17: 00 Angela Bentivegna (isolation and characterization of stem lines from brain tumors)

20 September 14:00 -17: 00 Laura Russo (cellular matrices and 3D models)

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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