UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Patient-Derived In Vitro Glioma Models: From Patients To Dish To 3d Bioprinting Technology

2627-122R-12

Title

PATIENT-DERIVED IN VITRO GLIOMA MODELS: FROM PATIENTS TO DISH TO 3D BIOPRINTING TECHNOLOGY.

Teacher(s)

Angela Bentivegna

Language

italiano e inglese

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 patient 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

1 CFU / 8 hours

Teaching period

2nd semester (late May–early June)

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION