UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Biofabrication of Advanced Tissue Models and Organ-on-Chip

2627-121R-014

Aims

The course will introduce and integrate cutting-edge methodologies, including 3D bioprinting, automated biofabrication systems, and fluidic approaches, to generate advanced tissue models and organ-on-chip platforms. Participants will discover how bioengineered systems able to mimic the tissue extracellular matrix (ECM), together with automated fabrication strategies, are enhancing the physiological relevance of in vitro models and next-generation tissue regeneration approaches.

Contents

Detailed program

Prerequisites

Teaching form

Lectures

Textbook and teaching resource

Course materials provided by the instructor

Semester

Assessment method

Office hours

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING