



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Clinical Research in Oncology: From Bench To Bedside

2324-5-H4101D383

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#### Aims

This elective course aims to train students on the different methodologies and objectives of applied clinical research in the field of cancer. In particular, the areas relating to laboratory and clinical research, and the different types of clinical studies on humans will be explored, with a focus on phase 1 studies; finally, students will compete in an educational laboratory to implement a draft of Phase 1 clinical study in two oncological areas. The objective of the course is also to enable students to acquire the following skills: to be able to critically interpret data from major studies in the field of oncology.

#### Contents

- In vitro and in vivo studies.
- Phase 1 clinical trials and conducting:
- The figures involved in the research

#### Detailed program

- In vitro and in vivo studies: which objectives and for what purpose (Dr. Nicoletta Cordani - Dr. Maria Grazia Cerrito) 1 hour
- Phase 1 clinical studies: which objectives and which information (Prof. Marina Elena Cazzaniga) 1 hour
- Conducting clinical trials in hospitals: the figures involved (Dr. Edoardo Mauri - Dr. Olga Trevisi - Dr. Serena Capici) 1 hour
- Promoter and CRO (BICRO) (Dr. Silvia Mori) 1 hour
- How to do research and how to read the literature (Prof. Marina Elena Cazzaniga) 1 hour
- Didactic laboratory: build a draft of a research project on a specific thematic area (breast, ovary) (Prof.

Marina Elena Cazzaniga, Dr. Serena Capici, Dr. Stefania Canova) 5 hours.

## **Prerequisites**

Having attended the Onco-hematological vertical track.

## **Teaching form**

- frontal lesson
- educational workshop

## **Textbook and teaching resource**

- Slides
- Articles

## **Semester**

Second.

## **Assessment method**

Implementation, during the teaching laboratory, of the plan or draft development of a study, including the preclinical part.

## **Office hours**

Monday, 17.00 / 18.00

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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