UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Immunotherapy with CAR-T cells

2627-121R-017

Title

Immunotherapy with CAR-T cells

Teacher(s)

Prof. Marta Serafini

Language

English

Short description

This course provides an advanced overview of CAR-T cell–based immunotherapies, with particular emphasis on biological principles, technological development, and clinical applications. The program introduces the fundamentals of T-lymphocyte engineering and the functioning of chimeric receptors designed to recognize specific tumor antigens, examining the major achievements of CAR-T therapies in neoplastic diseases along with the remaining challenges, including the management of immunological side effects, the persistence of engineered cells, and strategies to improve selectivity, efficacy, and safety.

CFU / Hours

1 CFU / 8 hours

Teaching period

May 2027

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING