UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Pathology

1920-3-H4102D020-H4102D066M

Obiettivi

1) Understanding the pathology of cancer

2) Understanding the carcinogenic process and the transformed cell

3) Understanding initiation promotion progression

4) Understanding the tumor microenvironment

5) Understanding inflammation and cancer

6) Understanding carcinogenesis and tumor progression in breast colon and lung cancer

Targets in breast colon and lung cancer

Contenuti sintetici

1) cellular biochemical and molecular bases of the carcinogenic process

2) carcinogens, classification, action, DNA mutations, oncogenes

3) Components of the tumor microenvironment : angiogenesis, stroma, matrix

4) Components of the tumor infiltrate: natural and adaptive immunity cells in the cancer field

Growth factors and receptors in major tumors and their microenvironment; molecular bases of targeted therapy and immunotherapy

Programma esteso

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Prerequisiti

basic pathology course (II yrs) , preparatory courses to the Vertical Tracks according to the regulation

Modalità didattica

lezioni frontali ed esercitazioni in piccolo gruppo

Materiale didattico

da definirsi

Periodo di erogazione dell'insegnamento

secondo semestre

Modalità di verifica del profitto e valutazione

esame integrato

Orario di ricevimento

su appuntamento