



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Pathology

2021-3-H4102D020-H4102D066M

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#### 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**

- 1) cellular biochemical and molecular bases of the carcinogenic process
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## **Prerequisiti**

basic pathology course (II yrs) , \_\_\_\_\_

## **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

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