



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Gastro-intestinal Diseases

2021-2-F0901D050-F0901D097M

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#### Aims

The aims of the Course is to provide the student with a critical knowledge of the technical instruments and strategies normally employed in defining the pathophysiology of the various disorders and possible new therapeutic approaches.

#### Contents

The aim of this course is to present several examples of diseases and their physiopathology, and the role of biotechnology in their diagnosis/ therapeutic approach. A general introduction on the methodologies employed to analyse the molecular mechanisms underlying the pathological processes will be provided.

#### Detailed program

Monogenic and multifactorial diseases: genetic studies and technical approaches

Celiac disease

Inflammatory bowel diseases

Stem cells and their niche in the intestine

Colon cancer, sporadic and inherited forms

## **Prerequisites**

Advanced knowledge in genetics, biology and molecular biology.

## **Teaching form**

Lectures respecting social distancing. Lectures will also be recorded and posted on the elearning UNIMIB website.

## **Textbook and teaching resource**

Reviews

## **Semester**

First semester

## **Assessment method**

These subjects will be evaluated within the exam of the integrated course, that will be an oral examination on the subjects taught during the lectures or on further subjects (part of the program) not exhaustively discussed in class. The exam will be in person if possible, otherwise will be performed through the University Webex.

## **Office hours**

By appointment

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