UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Gastro-Intestinal Diseases

2223-2-F0901D050-F0901D097M

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 gastrointestinal diseases and their physiopathology, and the role of biotechnology in their diagnosis/ therapeutic approach. A general introduction on the methodologies employed to identify the genes involved in multifactorial diseases 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

Lessons in presence.

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.

Office hours

By appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION