



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### From Bench To Bedside:translational Approach To Diseases

2425-2-F0901D059

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#### Aims

The aim 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. Gastroenterological and iron metabolism disorders will be analyzed. A general introduction on the methodologies employed to analyse the molecular mechanisms underlying the pathological processes will be provided.

#### Detailed program

For the detailed description of the program please refer to the information provided in the specific module

#### Prerequisites

Advanced knowledge in genetics, biology and molecular biology.

## **Teaching form**

20 two-hour classes delivered in presence.

6 two-hour "informal classes" delivered in presence.

## **Textbook and teaching resource**

Reviews or specific papers published in international journals.

The slides employed during classes will be provided.

## **Semester**

First semester

## **Assessment method**

The oral exam (in presence) will consist of an interview on the topics covered in class and described in the provided material. This interview will allow for an in-depth evaluation of the acquired knowledge, as well as of the critical ability and the ability to place individual topics within a broader context (for example, by evaluating possible interactions).

## **Office hours**

By appointment.

To arrange the appointment please use the email addresses provided in the two modules.

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY

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