



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Mechanisms and Models of Vascular Diseases

2425-2-F0901D047-F0901D093M

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#### Aims

The student should be able to integrate basic knowledge regarding the field of arteriosclerosis, besides pathogenic mechanisms, therapeutic goals and present research trends in vascular diseases.

#### Contents

This course aims at contributing to the training of a medical biotechnologist able to integrate basic principles of vascular pathophysiology in order to understand the biological basis, main pathogenic mechanisms and experimental models regarding vascular diseases. Models will be analyzed stressing critical aspects and role in the development of novel therapeutic strategies

#### Detailed program

Experimental models of vascular injury.

Experimental models of atherosclerosis.

Experimental models of intimal hyperplasia and restenosis.

Experimental models of abdominal aortic aneurysms.

## **Prerequisites**

Basic knowledge of anatomy, histology, pathology and physiology.

## **Teaching form**

8 two-hour classes delivered in presence.

## **Textbook and teaching resource**

Slides. Scientific papers.

## **Semester**

First semester second year

## **Assessment method**

Multiple choice quiz

## **Office hours**

Set up an appointment by email with the professor

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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