



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Internship in Anatomy

2021-3-H4102D069

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#### Aims

To introduce the students to the understanding and practice of basic and advanced technical approaches for the evaluation of tissue and organ morphology.

#### Contents

Understanding and practice of:

Main histological techniques

Instruments, reagents and materials needed for an histological analysis

Confocal microscopy

Electron microscopy

Live imaging for tissue culture

#### Detailed program

Theoretical and practical approaches to:

- Principles of light microscopy

- Principles of electron microscopy
- Principles of confocal microscopy
  
- Preparation of biological samples for immunohistochemistry, immunofluorescence, histological analysis
- Cell culture
- Preparation of cells for live imaging

### **Prerequisites**

To attend to the Histology class and the clerkship 2 of histology

### **Teaching form**

Frontal introductory lessons, practical activity in the histology laboratory

### **Textbook and teaching resource**

Histology Textbooks

### **Semester**

3, 4, 5, 6 th year, annual.

### **Assessment method**

Assessment of the suitability on the basis of the participation to the internship

### **Office hours**

Every day, after arranging an appointment

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