



DIPARTIMENTO di BIOLOGIA



CORSO DI DOTTORATO IN BIOLOGIA

Ph.D. COURSES

2023/2024

BASIC AND ADVANCED MICROSCOPY COURSE

Course coordinator: Michela Ori (University of Pisa)

Schedule: February 2024

Duration: 12 hours

Description: The course focuses on basic and advanced microscopy techniques. From tissue/cell preparation to cell visualization in live imaging. The course is organized in 4 lectures (2 hours each) and 2 lessons (2 hours each) with the active participation of PhD students presenting the use of microscopy in their PhD project or possible application of microscopy techniques in their project.

Prerequisites: None required.

Preliminary program:

- Experts in confocal imaging, live imaging, high resolution microscopy, light sheet microscopy will present specific and multidisciplinary applications.
- We will dedicate a lesson to the presentation of CISUP instruments and their possible application in PhD projects in Biology. (Questa per ora è un'idea da verificare in base alla disponibilità che sarà data dal CISUP)