Summary
The students will acquire knowledge on the fundamental aspects of super-resolutions microscopy. Practical skills include preparation of samples of cells (either bacteria or eukarytic cell culture) for imaging, image acquisition, and data analysis.

Content

Keywords
fluorescence
super-resolution (PALM, STORM, SIM)

Learning Prerequisites
Required courses
Biomicroscopy I and II (MICRO-561, MICRO-562)

Learning Outcomes
By the end of the course, the student must be able to:
• Explain the operating principles and important requirements and limitations of super-resolution microscopy

Assessment methods
Project report, oral presentation

Resources
Websites
• http://leb.epfl.ch