



NEUROSCIENCE SUMMER SCHOOL

22.-24. September 2021

Compact Course I: 22.09.2021 2 p.m. – 4:30 p.m.

Fluorescence microscopy for molecular and cellular biology

Course Description:

In this lecture I will introduce the basics of fluorescence microscopy and will speak about commonly used diffraction-limited imaging techniques such as wide field, LSM, spinning disc confocal microscopy, 2-photon imaging and TIRFM. In the second half of the seminar I will focus on super-resolution imaging approaches (STED and localisation microscopy). We will discuss different applications with example experiments and will have enough time for Q&A and for troubleshooting.

Instructor:

- Prof. Dr. Marina Mikhaylova (*Institute for Biology, Humboldt University Berlin*)

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