

Workshop

Title:	Light Sheet Microscopy
Date, duration:	On demand, 3 days
Location:	Institute of Anatomy, Baltzerstrasse 2
Lecturer(s):	Prof. Dr. Nadia Mercader (ANA)
Number of participants:	3 – 6 participants
Target audience:	Researchers, Master and PhD students of the University of Bern.
Registration:	Send request to Nadia Mercader nadia.mercader@ana.unibe.ch cc: alexander.ernst@ana.unibe.ch
KSL:	471132
Reward:	1.5 ECTS
Costs:	150 CHF per student - PhD students enrolled in the Graduate School for Cellular and Biomedical Sciences (GCB) can apply for refund at the PhD program Cutting Edge Microscopy - Amount accounts for students of the University of Bern. Other participants, please request quote.
Learning goals:	Light Sheet microscopy of entire cleared organs and in vivo samples Sample embedding 3D image analysis
Description:	Light sheet microscopy is a cutting edge fluorescence microscopy method, particularly suited for imaging large samples with cellular resolution and in vivo imaging with low light exposure. In this practical course you will learn all the steps from sample embedding, imaging until handling the big 3D data produced by the microscope.
Course structure:	Day 1: Introduction and in vivo imaging Day 2: Cleared sample imaging Day 3: 3D image processing and analysis
Assessment:	Presentation (for ECTS)

