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**UNIVERSITÄT
BERN**

MIC training:

Fiji fundamentals

Date:	January 14, 2025
Time:	9 am – 5 pm
Location:	Unitobler, Lerchenweg 36, room F006, 3012 Bern.
Trainer:	Dr. Ana Stojiljkovic, DSL-MIC, University of Bern (CH).
Organizers:	Dr. Y. Belyaev, MIC of the University of Bern (www.mic.unibe.ch). Dr. A. Stojiljkovic, DSL-MIC, University of Bern (www.dsl.unibe.ch). Supported by the PhD specialization Cutting Edge Microscopy.
Number of participants:	Minimum 10, maximum 20.
Registration:	until January 7, 2025, online here
Target audience:	Master, bachelor, PhD students and postdocs who plans to use FIJI for the presentation and analysis of own data. No previous knowledge of FIJI required.
Credits:	Certificate of attendance. The 0.5 ECTS can be awarded to CEM students after giving a presentation about the application of the course material in the participant research.
Background:	FIJI (https://imagej.net/Fiji) is a freeware image-processing package widely used in Academia for the analysis of multidimensional microscopy datasets.
Content:	Fundamentals of FIJI, see program below.
Learning outcome:	Participants will be able to use basic features of FIJI and write simple macros.
Course fee:	Free or charge. Cancellation after January 7, 2025 or no show – administrative fee of 100 CHF.
Schedule:	See next page.

MIC training: FIJI fundamentals

January 14, 2025

Time	Day 1 Tuesday 14.01.25
9:00-12:00	Opening, converting, and saving images Intensities: values, histogram, and saturation Adjusting images: LUT, brightness/contrast Multiple dimensions: stacks, channels, time Annotating images A.Stojiljkovic, DSL-MIC
12:00-13:30	Lunch
13:30-17:00	Setting up measurements Intensity profile Filtering of images Background subtraction Projections, z-axis profiles Managing ROIs Segmentation A.Stojiljkovic, DSL-MIC