MIC training: **Writing your own ImageJ/Fiji macros**

Date:	January 15, 2025
Time:	9 am – 5 pm
Location:	Unitobler, Lerchenweg 36, room F006, 3012 Bern.
Trainer:	Dr. G. Witz, DSL-MIC, University of Bern (CH)
Organizers:	Dr. Y. Belyaev, MIC of the University of Bern (www.mic.unibe.ch). Dr. G. Witz, 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 8, 2025, online here.
Target audience:	PhD students, postdocs, PIs who require the automation of their image processing tasks for analysis of microscopy data. **Participants should have basic knowledge of ImageJ/FIJI and some experience of using it. Those without such experience should either read the Introduction to Bioimage Analysis by Pete Bankhead or follow the online EPFL MOOC course Image Processing and Analysis for Life Scientists.**
Credits:	Certificate of attendance. On request, PhD students of the Cutting Edge Microscopy program can obtain 0.5 ECTS for this course with presenting the learning outcome in the context of his/her project at a separate meeting.
Background:	FIJI (https://imagej.net/Fiji) is a freeware image-processing package widely used in Academia for the analysis of 3D and 4D microscopy datasets. Macro writing allows automation of repetitive tasks, sharing of common procedures and documentation of processing workflows.
Content:	Basics of ImageJ/FIJI macro programming language: variables, functions, loops, file handling etc. FIJI script editor. Work on own data sets.
Learning outcome:	Participants will be able to write basic ImageJ/FIJI macros for the automation of their image analysis protocols.
Course fee:	Free or charge. Cancelation after January 8, 2025 or no show – administrative fee of 100 CHF.
Schedule:	See next page.

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Time	Day 1 Wednesday, 15.01.25
9:00-12:00	Essentials of ImageJ macro programming G. Witz, DSL
12:00-13:30	Lunch
13:30-16:30	Practice macro programming, work with your own data. G. Witz, DSL