

Advanced MIAP Bioimage Analysis Workshop

An advanced workshop for life science students, *Ph.D.* (students), postdocs and technicians covering advanced methods of bioimage analysis with ImageJ / Fiji, KNIME and ilastik. This 2-day workshop focuses on 5 major topics and an open Q&A session for individual questions and image processing issues.

March 22nd – 23rd 2018

Life Imaging Center (LIC), Center for Biological Systems Analysis (ZBSA)
Albert-Ludwigs University Freiburg
Habsburgerstr. 49, 79104 Freiburg im Breisgau

Organization: Microscopy and Image Analysis Platform (MIAP), Freiburg University and Bioimaging Center (BIC), Konstanz University
Instructor: Dr. Stefan Helfrich

Day 1: March 22nd, 09:00 – 17:30	
09:00 – 09:30	Welcome: General workshop introduction and preparation
09:30 – 11:00	Block A: Advanced batch processing with ImageJ / Fiji
11:15 – 11:30	Break: Coffee and Tea
11:30 – 12:30	Block B: Bioimage analysis and batch processing with KNIME
12:30 – 13:30	LUNCH BREAK: Fingerfood
13:30 – 15:30	Block B: Bioimage analysis and batch processing with KNIME (continued)
15:30 – 15:45	Break: Coffee and Tea
15:45 – 17:30	Block C: 3D processing and visualization with ImageJ / Fiji

Day 2: March 23rd, 09:00 – 17:30	
09:00 – 11:00	Block D: Tracking in large datasets
11:00 – 11:15	Break: Coffee and Tea
11:15 – 12:30	Block E: Advanced segmentation methods incl. ilastik
12:30 – 13:30	LUNCH BREAK: Fingerfood
13:30 – 15:00	Block E: Advanced segmentation methods incl. ilastik (continued)
15:00 – 15:15	Break: Coffee and Tea
15:15 – 17:30	Open Q&A session: Custom questions and image processing issues

- *It is mandatory that you bring your own laptop. If you cannot bring your own laptop, please contact the MIAP team in advance for further instructions.*
- *You will get information on required software packages and tools prior to the workshop. Please install the tools provided prior to the workshop to speed-up the preparation part.*
- *This is a preliminary announcement / agenda, which is subject to changes.*
- *For more information, please contact MIAP: <https://www.miap.eu> info@miap.eu*