

MIAP KNIME Image Processing Workshop

KNIME Analytics Platform is the open source software for creating data science applications and services. Intuitive, open, and continuously integrating new developments, KNIME makes understanding data and designing data science workflows and reusable components accessible to everyone. The KNIME Image Processing extensions for KNIME Analytics Platform integrate well-known open source tools from the field of bioimage analysis (e.g. ImageJ2/FIJI, ImgLib2, OMERO, Ilastik, BigDataViewer or CellProfiler).

May 22nd – 23rd 2019

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), University of Freiburg
KNIME
Teacher: Stefan Helfrich (KNIME)

Day 1: May 22nd, 08:45 – 17:30	
08:45 – 09:00	Welcome and introduction
09:00 – 10:30	Introduction to KNIME Analytics Platform Basics of graphical programming Importing data
10:30 – 10:45	COFFEE BREAK
10:45 – 12:30	Joining data from different sources Cleaning data Aggregating information
12:30 – 13:30	LUNCH BREAK
13:30 – 15:00	Creating (interactive) visualizations Statistics and mining data for insights
15:00 – 15:30	COFFEE BREAK
15:30 – 17:00	Getting started with KNIME Image Processing
17:00 – 17:30	Summary, conclusion, Q & A, closing workshop day 1

Day 2: May 23rd, 09:00 – 17:00	
09:00 – 10:30	Making workflows flexible with flow variables Looping branches
10:30 – 10:45	COFFEE BREAK
10:45 – 12:30	Integrating Python, R, and others Getting data out
12:30 – 13:30	LUNCH BREAK
13:30 – 15:00	Advanced Image Processing with KNIME
15:00 – 15:30	COFFEE BREAK
15:30 – 16:30	KNIME Image Processing integrations Discussions
16:30 – 17:00	Summary, conclusion, Q & A, closing workshop day 2

For more information, please contact MIAP: <https://miap.eu> info@miap.eu

