1st MIAP BioImage Analysis Workshop

A basic Introduction for Life Scientists into ImageJ/Fiji and KNIME Image Processing

31st January – 2nd February 2017
Center for Biological Systems Analysis (ZBSA)
Freiburg University

Organization	Microscopy and Image Analysis Platform (MIAP), Freiburg Bioimaging Center (BIC), Konstanz
Instructors	Stefan Helfrich (BIC), Jürgen Reymann (MIAP)
Speakers	· Tuan Leng Tay & Dominic Mai, Neuropathology University Medical Center & Computer Science, Freiburg · Martin Horn, Bioinformatics and Information Mining, Konstanz

Day 1: Tuesday, January 31st, 09:00 – 18:00

09:00 – 09:30	Welcome & Introduction
09:30 – 12:30	Basics of Digital Image Processing
Lunch Break	
13:30 – 14:30	Invited Talk: Tuan Leng Tay & Dominic Mai *N.N.*
14:30 – 18:00	Introduction into KNIME and KNIME Image Processing

Day 2: Wednesday, February 1st, 09:00 – 18:00

Counting Spots in- and outside Nuclei/Cells

09:00 – 12:00	*Session I*	ImageJ/Fiji plugin processing
Lunch Break		
13:00 – 14:00	Invited Talk: Martin Horn *N.N.*	
14:00 – 18:00	*Session II*	KNIME graphical prototyping

Day 3: Thursday, February 2nd, 09:00 – 18:00

Colocalization of non-point (2D) and point-like (3D) Objects

09:00 – 12:00	*Session III*	ImageJ/Fiji plugin processing
Lunch Break		
13:00 – 17:00	*Session IV*	KNIME graphical prototyping
17:00 – 18:00	Wrap-up discussion	