

## 9<sup>th</sup> Bioimage Analysis Workshop – ImageJ / Fiji

### Intermediate level

An advanced ImageJ / Fiji workshop for life science students, *Ph.D.* (students), postdocs and technicians with hands-on on own research data.

**April 3<sup>rd</sup> – 4<sup>th</sup> 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), Freiburg University and Bioimaging Center (BIC), Konstanz University
- Instructor:** Kota Miura, *Ph.D.* (NEUBIAS)
- Aim:** Train life scientists without any computer programming experience to enable them to put bioimage analysis workflow into ImageJ macro for reproducible analysis and automation.
- Qualification:** Participants who are already using ImageJ

<b>Day 1: April 3<sup>rd</sup>, 10:30 – 18:30</b>	
10:30 – 11:00	<b>Introduction &amp; Welcome with Coffee</b>
11:00 – 12:30	<b>ImageJ Macro Basics (90 min)</b>
12:30 – 13:30	<b>LUNCH BREAK</b>
13:30 – 15:00	<b>Conditions and Loops (90 min)</b>
15:00 – 15:30	<b>Assignments (30 min)</b>
15:30 – 15:45	<b>Break: Coffee and Tea</b>
15:45 – 16:15	<b>Reviewing Assignment Results (30 min)</b>
16:45 – 18:00	<b>User-defined Functions, customize UI (75 min)</b>
18:00 – 18:30	<b>Assignments (30 min)</b>

<b>Day 2: April 4<sup>th</sup>, 09:00 – 17:00</b>	
09:00 – 09:30	<b>Reviewing Assignment Results (30 min)</b>
09:30 – 10:30	<b>Dealing with Arrays (60 min)</b>
10:30 – 10:45	<b>Break: Coffee and Tea</b>
10:45 – 11:15	<b>Assignments (30 min)</b>
11:15 – 11:45	<b>Reviewing Assignment Results (30 min)</b>
12:30 – 13:30	<b>LUNCH BREAK</b>
13:30 – 14:30	<b>File I/O, Batch Processing (60 min)</b>
14:30 – 15:30	<b>Assignments &amp; Reviewing (60 min)</b>
15:30 – 15:45	<b>Break: Coffee and Tea</b>
15:45 – 16:30	<b>Secondary Measurements (45 min)</b>
16:30 – 17:00	<b>Assignments and Reviewing (30 min)</b>

- You can bring your own research data with you if you are interested in the Q&A session.
- You can bring your own laptop. If you do, please install the latest Fiji version in advance.
- If you do not, 12 high-end analysis computers will be available for you to use.
- For more information, please contact MIAP: <http://www.miap.eu> [info@miap.eu](mailto:info@miap.eu)