

Image Analysis Workshop – ImageJ (basics)

A basic ImageJ / Fiji workshop for Ph.D. students and postdocs

May 19th – 20th, 2020

Organization: Microscopy Core Facility (MCF), Bonn University
Instructor: Gabor Horvath, Ph.D.
Location: Lehrgebäude (10), Room ..., UKB, Sigmund-Freud-Str. 25, 53127 Bonn

Day 1: May 19th, 09:00 – 17:00

| | |
|---------------|--|
| 09:00 – 10:00 | Introduction and Welcome |
| 10:00 – 11:00 | From Images to Numbers |
| 11:00 – 12:00 | From Numbers to Images |
| 12:00 – 13:00 | LUNCH BREAK |
| 13:00 – 14:00 | Multi-Dimensional Data, incl. Coffee Break |
| 14:00 – 15:00 | Region of Interest and Segmentation |
| 15:00 – 16:00 | Pre- and Post-processing for a better Segmentation, incl. Coffee Break |
| 16:00 – 17:00 | How Filters work |

Day 2: May 20th, 09:00 – 17:00

| | |
|---------------|--|
| 09:00 – 09:45 | Measurements: Counting and Locating Dots |
| 09:45 – 10:30 | Measurements: Lengths |
| 10:30 – 10:45 | Coffee Break |
| 10:45 – 11:45 | Measurements: Area |
| 11:45 – 12:00 | Measurements: Volume |
| 12:00 – 13:00 | LUNCH BREAK |
| 13:00 – 14:00 | Batch Processing |
| 14:00 – 14:30 | Measuring Dynamics |
| 14:30 – 14:45 | Coffee Break |
| 14:45 – 15:15 | Intensity Changes |
| 15:15 – 15:45 | Position Changes |
| 15:45 – 16:00 | Coffee Break |
| 16:00 – 16:30 | Manual Tracking |
| 16:30 – 17:00 | Automated Tracking |

Depending on the progress, the topics might be covered at a shifted time.

Please bring your own laptop, and install the latest version of Fiji in advance.

For further information, please contact MCF: <https://btc.uni-bonn.de/mcf/>