

## OMERO Workshop

The Open Microscopy Environment (OME) is an open-source software project that develops tools that enable visualization, analysis, sharing and publication of biological image data. Data organisation, annotation, searching, image visualization and figure creation as well as processing data in OMERO using 3rd party tools such as CellProfiler, ImageJ, R, Orbit, server-side OMERO scripts will be presented. Participants are encouraged to bring their own laptops.



**September 3<sup>rd</sup> – 4<sup>th</sup> 2018**

Imaging Core Facility, Biozentrum, University of Basel  
Klingelbergstr. 50/70, 4056 Basel, SWITZERLAND

**Organization:** Microscopy and Image Analysis Platform (MIAP), University of Freiburg  
Imaging Core Facility, Biozentrum, University of Basel

**Teachers:** Petr Walczysko (OME staff, Swedlow Lab, University of Dundee)  
Jean-Marie Burel (OME staff, Swedlow Lab, University of Dundee)

<b>Day 1: September 3<sup>rd</sup>, 9:00 – 18:00</b>	
09:00 – 09:15	<b>Welcome &amp; Introduction: Workshop Day 1</b>
09:15 – 10:00	<b>Introduction to OMERO and Image/Data Management</b>
10:00 – 10:15	<b>Coffee Break</b>
10:15 – 11:15	<b>Basic Workflows: Fiji manual Workflow</b>
11:15 – 12:15	<b>Basic Workflows: Fiji scripting Workflow</b>
12:15 – 13:15	<b>LUNCH BREAK</b>
13:15 – 14:15	<b>Orbit manual Workflow</b>
14:15 – 15:15	<b>OMERO.parade</b>
15:15 – 15:30	<b>Coffee Break</b>
15:30 – 16:30	<b>OMERO.figure</b>
16:30 – 17:30	<b>OMERO.mapr</b>
17:30 – 18:00	<b>Image Data Resource (IDR)</b>

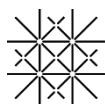
  

<b>Day 2: September 4<sup>th</sup>, 9:00 – 18:00</b>	
09:00 – 09:15	<b>Welcome &amp; Introduction: Workshop Day 2</b>
09:15 – 10:15	<b>Advanced Workflows: Import using the Command Line Interface (CLI), post-import processing using scripts and CLI plugins</b>
10:15 – 10:30	<b>Coffee Break</b>
10:30 – 12:00	<b>Advanced Workflows: Client-side Scripting using ImageJ, R, Orbit, CellProfiler</b>
12:00 – 13:00	<b>LUNCH BREAK</b>
13:00 – 15:15	<b>Advanced Workflows: Introduction to server-side Scripting, Creation of OMERO.figure programmatically, Developing / Extending OMERO.web apps</b>
15:15 – 15:30	<b>Coffee Break</b>
15:30 – 17:00	<b>Administration of OMERO.server using the Command Line Interface Installation of OMERO.server (optional; according to interest)</b>
17:00 – 18:00	<b>Open Q &amp; A Session</b>

Participants are encouraged to bring their own laptops.

Each day of the workshop can be booked individually.

For more information, please contact MIAP: <https://miap.eu> [info@miap.eu](mailto:info@miap.eu)



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**BIOZENTRUM**  
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Molecular Life Sciences



University  
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**OME**