

Zeiss Open Application Development (OAD) Workshop



The ZEN Blue software is an open, flexible and powerful image acquisition platform. The Open Application Development (OAD) interface allows for automation of workflows and smart linkage of image acquisition and analysis, which are crucial features for many experiments (e.g. tracking migrating or growing cells, changing imaging parameters as cell morphology changes). This advanced 3-day workshop will give an overview of various OAD possibilities. The workshop includes lectures, discussions and hands-on sessions at the LIC microscopes. Basic knowledge in light microscopy and scripting required.

October 15th – 17th 2018

Life Imaging Center (LIC), Center for Biological Systems Analysis (ZBSA),
Albert-Ludwigs University,
Habsburgerstr. 49, 79104 Freiburg im Breisgau
GERMANY

Organization: Microscopy and Image Analysis Platform (MIAP), University of Freiburg
Teachers: Sebastian Rhode (Product Manager Advanced Automated Imaging, Zeiss)
Ingo Bartholomäus (Product Manager Microscopy, Zeiss)
Marion Lang (Product Manager OAD, Zeiss)
Heiko Dussmann (Molecular & Cellular Imaging, Royal College of Surgeons Ireland)
Roland Nitschke (Head of LIC Facility, University of Freiburg)

Day 1: October 15th, 9:00 – 17:00	
09:00 – 10:30	Workshop Welcome & Introduction to OAD <i>Roland Nitschke (Life Imaging Center, University of Freiburg)</i> <i>Sebastian Rhode (Carl Zeiss Microscopy GmbH)</i>
10:30 – 10:45	Coffee Break
10:45 – 12:00	Panel Discussion: Expectations and Needs for OAD Applications <i>Sebastian Rhode (Carl Zeiss Microscopy GmbH)</i> <i>Ingo Bartholomäus (Carl Zeiss Microscopy GmbH)</i> <i>Marion Lang (Carl Zeiss Microscopy GmbH)</i>
12:00 – 13:00	LUNCH BREAK
13:00 – 14:00	Multiposition Tracking using OAD <i>Ingo Bartholomäus (Carl Zeiss Microscopy GmbH)</i>
14:00 – 14:45	Practical Session: Presentation of Examples <i>Carl Zeiss Microscopy GmbH</i>
14:45 – 15:00	Coffee Break
15:00 – 17:00	Practical Session: Interactive Programming Session <i>Carl Zeiss Microscopy GmbH</i>

Day 2: October 16th, 9:00 – 17:00

09:00 – 10:00	Introduction to Experiment Feedback <i>Marion Lang (Carl Zeiss Microscopy GmbH)</i>
10:00 – 10:15	Coffee Break
10:15 – 12:00	Practical Session (Experiment Feedback): Presentation of Examples & Interactive Programming Session <i>Carl Zeiss Microscopy GmbH</i>
12:00 – 13:00	LUNCH BREAK
13:00 – 14:00	The LIC Macro Software Tool <i>Roland Nitschke (Head of LIC Facility, University of Freiburg)</i>
14:00 – 14:45	Practical Session (OAD advanced): Presentation of Examples <i>Carl Zeiss Microscopy GmbH</i>
14:45 – 15:00	Coffee Break
15:00 – 17:00	Practical Session (OAD advanced): Interactive Programming Session <i>Carl Zeiss Microscopy GmbH</i>

Day 3: October 17th, 9:00 – 16:00

09:00 – 09:30	Title tba <i>Heiko Dussmann (Royal College of Surgeons in Ireland, RCSI)</i>
09:30 – 10:00	Free Talk Slot (Guest or selected Talk; 30min) <i>tba (Talk by Guest or selected Speaker from Participants)</i>
10:00 – 10:15	Coffee Break
10:15 – 12:00	Practical Session (Facility): Testing on ZEN Blue driven Microscopes <i>Carl Zeiss Microscopy GmbH; Life Imaging Center (LIC), University of Freiburg</i>
12:00 – 13:00	LUNCH BREAK
13:00 – 15:00	Practical Session (Facility): Testing on ZEN Blue driven Microscopes <i>Carl Zeiss Microscopy GmbH; Life Imaging Center (LIC), University of Freiburg</i>
15:00 – 15:15	Coffee Break
15:15 – 16:00	Closing Remarks, Feedback Session <i>Carl Zeiss Microscopy GmbH; Life Imaging Center (LIC), University of Freiburg</i>

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

