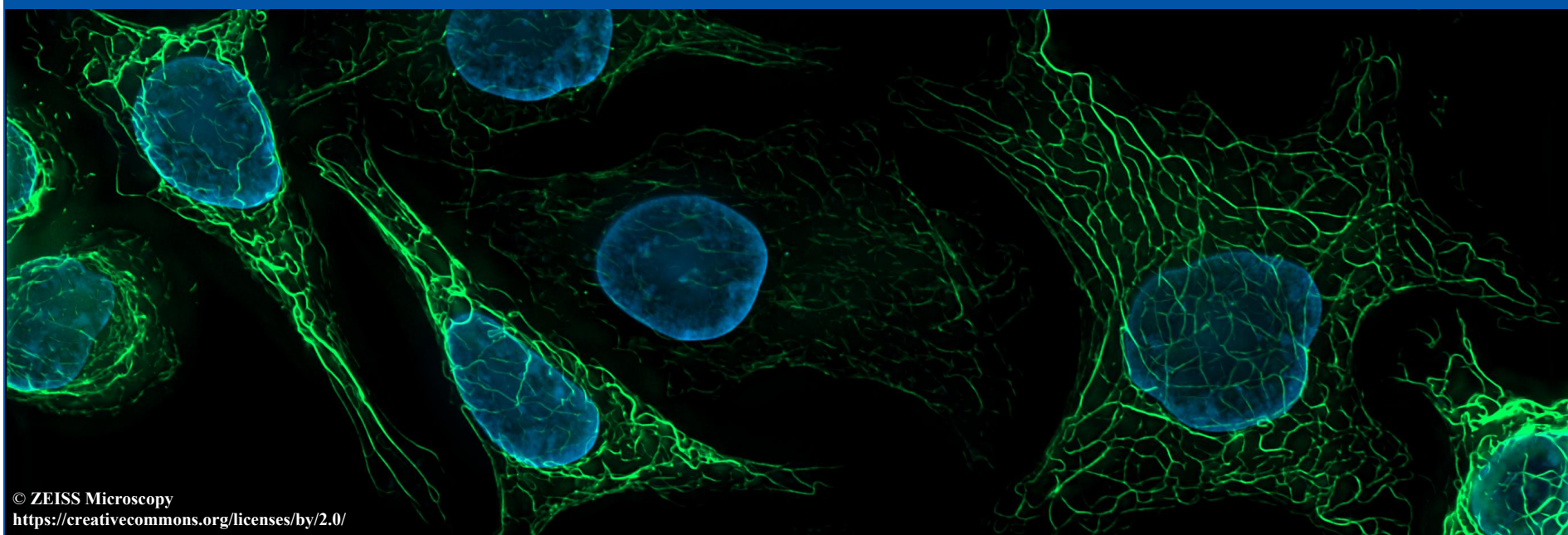
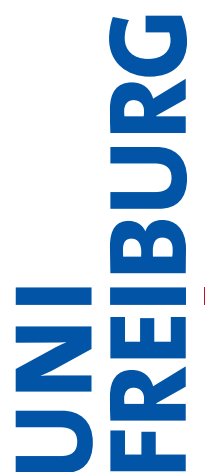
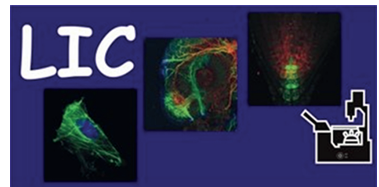


MIAP Workshop Series 2019



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Expanding the ZEISS Microscopy Platform: Automation and Image Analysis Solutions based on OAD and APEER

Life Imaging Center (LIC)

Center for Biological Systems Analysis (ZBSA)

Habsburgerstr. 49, 79104 Freiburg im Breisgau

November 4th - 7th 2019

For more information and registration:

<https://miap.eu> - info@miap.eu

The goal of this 4-day workshop is to teach and train participants how to employ the ZEISS software ecosystem for their own projects in image processing, analysis and microscope automation. We will discuss the latest developments in image analysis and machine learning, including the novel free image processing platform APEER, which enables users to exchange image processing modules and assemble them into powerful processing workflows. You will learn how to use APEER in the cloud and how to set up a local APEER solution based on the ACQUIFER HIVE system.

We will show best practices and application examples in hands-on sessions focused on:

- How to automate image acquisition and analysis using OAD scripts (Open Application Development)
- How to set up adaptive feedback experiment workflows in combination with APEER, Fiji/ImageJ,...
- How to leverage the full potential of ZEN Blue and 3rd party image processing in your image processing and analysis workflows
- How to create your own APEER modules
- How to build your own local APEER server using the HIVE solution from ACQUIFER.

The workshop will include lectures, discussions and extensive hands-on sessions using the microscope infrastructure of the Life Imaging Center (LIC).

Participants are invited to give a talk about their workshop-related projects, research (requirements) and custom solutions. Participants are also encouraged to bring their own samples or experimental workflows, discuss them with the teachers and derive custom solutions for their individual microscopy and image analysis challenges. Please contact us in advance about the prerequisites.

Basic knowledge in light microscopy and scripting is required.

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