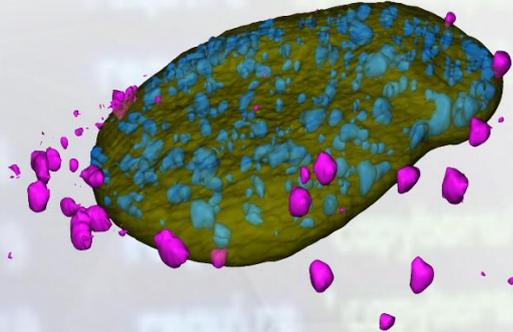


Macro Scripting & Advanced Image Analysis



Multidimensional Analysis

**1 or 2-day
In-depth
Analysis
Automation
via Macros**

**Correct
Resolution &
Prerequisites
for Intensity
Analysis**

**Statistical
Co-Localization
Analysis**

**3D
Visualization &
Quantifications**

**Automating
Measurements
in Histological
Stainings**

**Semi-
Quantitative
Western Blot
Analysis**

**3D/4D
Tracking
&
Tracing**

**Image Shift
Correction &
Stitching**

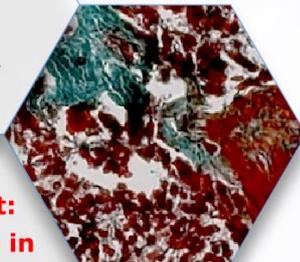
Flexibility & Expertise



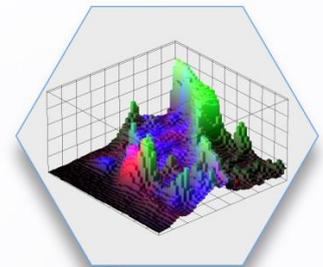
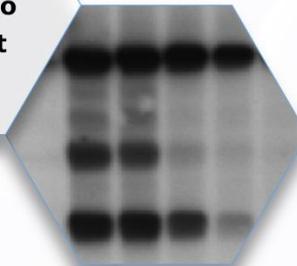
**Fiji &
ImageJ**

**2 or 3-day
Virtual & Live
Hands-on
Workinars**

**Pre-requisite:
Participation in
Basic BioVoxel
Workshop**



**Module
Combination
according to
Participant
Interest**



**Contact/Pricing:
Dr. Jan Brocher
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jan.brocher@biovoxxel.de
phone: +49 (0)176-705 746 81**



ImageJ Macros Scripting and Advanced Image Analysis

Workinar content overview:

- Learning the ImageJ Macro scripting language from scratch to automate anything in Fiji (no prior programming knowledge necessary)
- Specific image analysis topics as indicated on the graphic above. Not all listed topics will be part of the course. The majority voting of the participant group decides on topic selection and sequence.

Venue:

The workshop will be held as a virtual live event via Zoom. Login information and preparation instructions will be send in advance.

Duration:

3 days, each day 9:00 ~ 15:30(max, mostly 15:00 but plan some buffer time)

Prerequisite:

Prior participation in the BioVoxel Workshop – “Editing, Processing and Analysis of Scientific Images” is mandatory to be able to follow the complete content of this workshop. Participation without prior basic course attendance can only be permitted in exceptional cases in agreement with the trainer.

Main Target Group:

Life or Natural Scientists (optimally around PhD student level and above, imaging experience is helpful, knowledge from the basic BioVoxel workshop is assumed!). The difficulty level is medium but easy to follow in step by step procedures and in-depth explanation of the necessary background to the individual methods.

Software:

During the course we will use exclusively Fiji (ImageJ bundle) in a customized setup. Prior experience with Fiji as shown in the basic course is assumed.

Registered participants will receive all information regarding software preparation on time before the workshop via email.