Macro Scripting & Advanced Image Analysis

Flexibility & Expertise

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

Semi-Quantitative Western Blot Analysis

Automating Measurements in Histological Stainings

3D/4D Tracking & Tracing

Image Shift Correction & Stitching

Pre-requisit: Participation in Basic BioVoxxel Workshop

Module Combination according to Participant Interest

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

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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 BioVoxxel 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 BioVoxxel 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.