**Data sheet for the use of the confocal microscopes of the faculty V and VI**

Name:

I would like to use the following microscope:

Employed as:

Faculty/OE:

Working group/PI:

Email-adress:

Tel.-No:

Name of project:

Kosten und Finanzstelle:

Which materials are examined?

Do the materials contain chemicals hazardous to health, if so which ones?

Do the materials contain (living) genetically modified organisms (GMOs)?

I have read the operating instructions and undertake to observe the rules and regulations described therein.

I have been instructed about the dangers and the corresponding protective measures regarding the use of the lasers and I undertake to operate the microscope on the basis of the manner of handling learned in their first instruction at the workplace.

Oldenburg, the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Signature of the User

I agree to bear the costs of use

Oldenburg, the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Signature of the Research Group Leader

**Training request form**

**Your name**

**Your email address**

**Department, working group, room #, phone #**

**Supervisor name**

**On which instrument do you require an introduction/assistance? If not sure, give detailed job description below, so we can decide which technique will be the best**

( ) Confocal Leica SP5 (for experienced users only)

( ) STED Leica SP5 (for experienced users only)

( ) FRET Leica SP5 (for experienced users only)

( ) Confocal Leica SP8

( ) Olympus FV 3000 confocal

( ) Slide scanner Zeiss Axio Scan Z1

( ) Leica DMi8 Inverted Widefield Microscope with Calcium Indicator Fura2

( ) IncuCyte S3 live cell imaging+incubator

**Your microscopy experience: list techniques you have already applied, instruments you worked with, and attended courses**

**Write here a clear job description, what do you want to have done. Time lapses, z-scans etc.**

**Have you planned control samples?**

( ) Yes

( ) No

( ) Do I need them? ☺

**What type of samples are you using for your experiment?**

( ) Fixed samples

( ) Live samples

( ) Samples in multi well dishes

( ) Samples in glass bottom dishes

( ) Other…..

**How do you prepare your samples? Remember to use #1.5 cover glass thickness (corresponding to 0.17mm)**

**Which fluorescent markers (e.g. GFP, Alexa488, mCherry..) are you using? Please write their names, EXCITATION AND EMISSION WAVELENGTHS IN NM and remember it**

**Which media (for example for mounting) do you use? (Prolong, PBS, Mowiol etc)**

**What objectives: magnification, i.e. do you want to have an overview of your sample (10x or 20x) or closer look (60x or 100x)**

**How often do you plan to use the facility?**

**How will you process your data? Image analysis plan**

**Materials to read before:**

Confocal and fluorescence microscopy <https://myscope.training/>