


SP5 MP, inverse, CRTD

How do I switch on the system?

standard confocal imaging (w/o MP):

- 
- 1 ON
 - 2 ON
 - 3 ON
 - 4 ON
 - 5 ON
1. Switch on microscope/PC button
 2. Switch on scanner power button
 3. Switch on laser button
 4. Turn on the laser safety key
 5. Switch on the HBO lamp, if needed
 6. Login as lmf-user (password: useme), open LAS AF, choose config: "machine ohne MP" and un-/check Resonant Scanner (for live high speed imaging)

MP ON

multi-photon imaging (MP):

1. switch on NDD power supply, EOM power supply (on optical table) and only turn on MP laser safety key
2. Go on with No. 1-6 of standard confocal imaging, **except:** choose config: "machine mit MP"
3. Choose wavelength and click on tune button
4. Press 3 sec. on shutter button
5. Start scanning when MP laser is in pulse mode

How do I switch off the system?

- **CAREFULLY clean all immersion objectives** (70% pure EtOH and lens cleaning paper) **and stage** (80% EtOH and tissue paper)!
- Check if somebody is booked after you within 2 hours.



NO

1. Switch off the lasers in the software
2. Quit LAS AF and shut down PC
3. Turn off HBO lamp
4. Turn off the laser safety key button
5. Turn off scanner power button
6. Turn off microscope/PC button
7. Wait until laser cooling is off, then turn off laser button
8. If MP used: turn off only MP laser safety key, switch off EOM and NDD power supply (on optical table)

1 OFF
2 OFF
3 OFF
4 OFF
5 OFF

MP OFF



YES

If MP used and next user is not MP-user:

1. Uncheck MP Laser in LAS AF
2. turn off only MP laser safety key, switch off EOM and NDD power supply (on optical table)
3. Restart LAS AF, choose config: "machine ohne MP"

MP OFF

If MP used and next user is MP-user:

Leave everything on, save your data and copy them to fileserver or like that.

