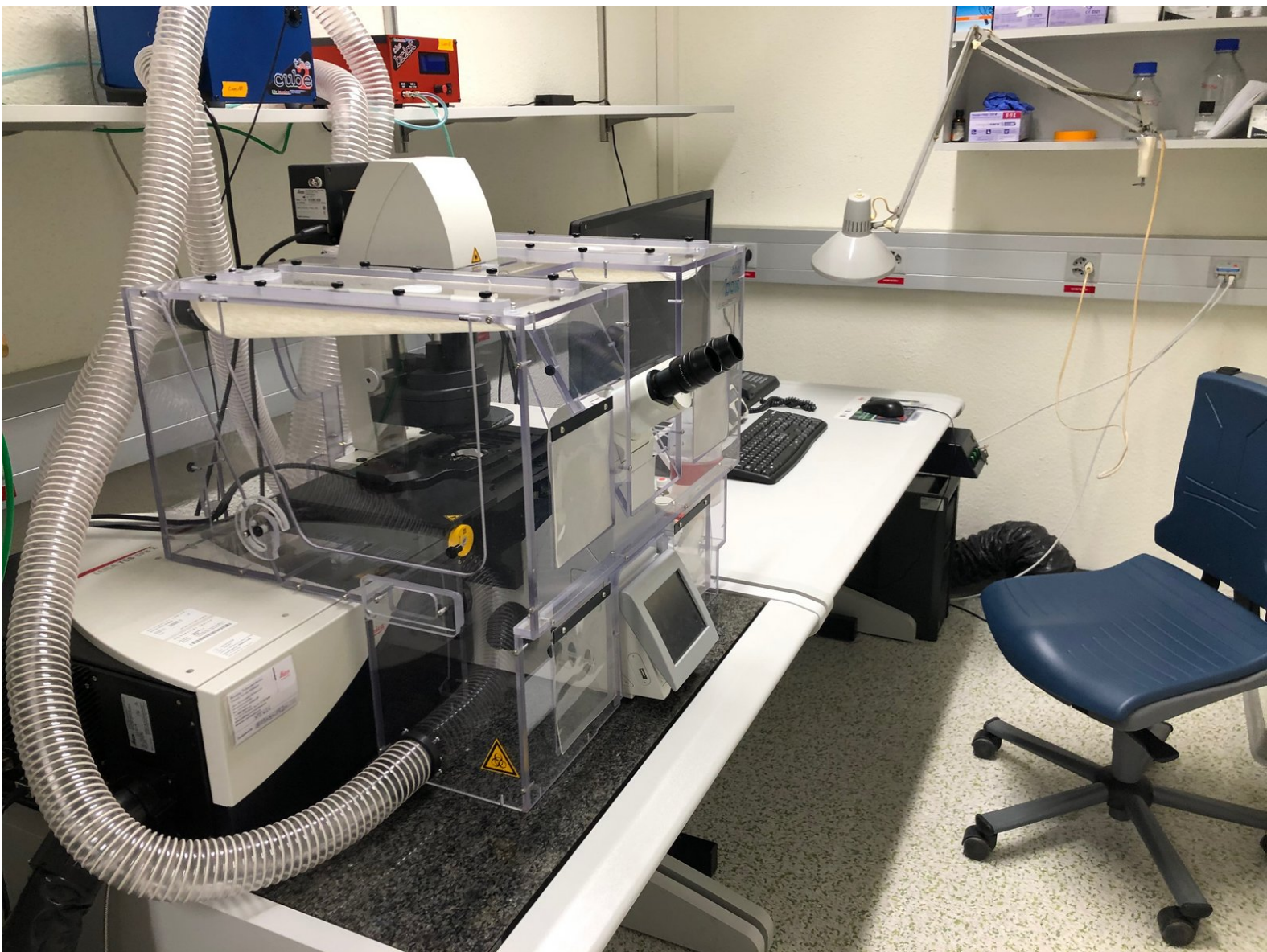




Leica SP8 inverse (Gloriastrasse): Shut down

How to shut down the Leica SP8 inverse confocal laser scanning microscope located at the Institute of Medical Microbiology.

Written By: Jana Döhner

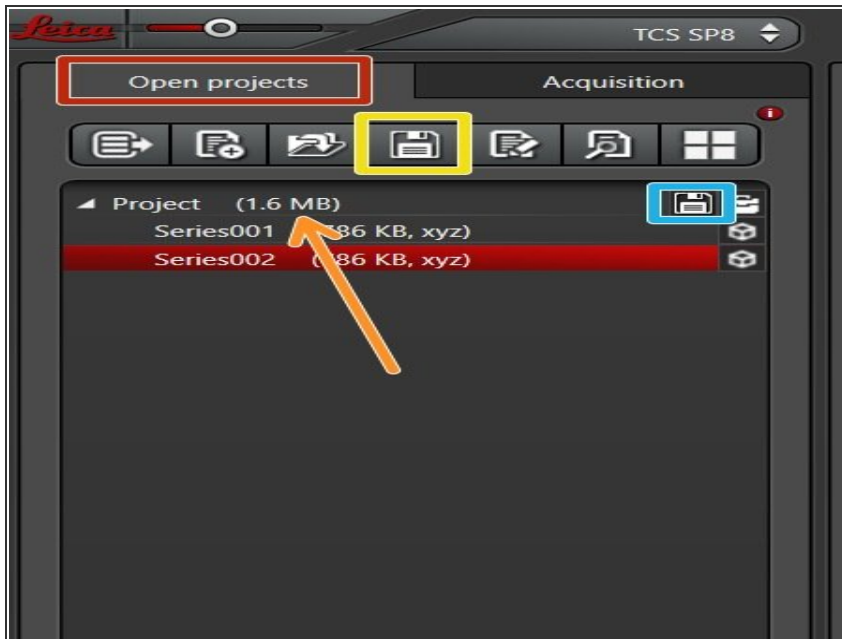


INTRODUCTION

In this guide of the Center for Microscopy and Image Analysis we show how to shut down the Leica SP8 inverse confocal laser scanning microscope located at the [Institute of Medical Microbiology](#).

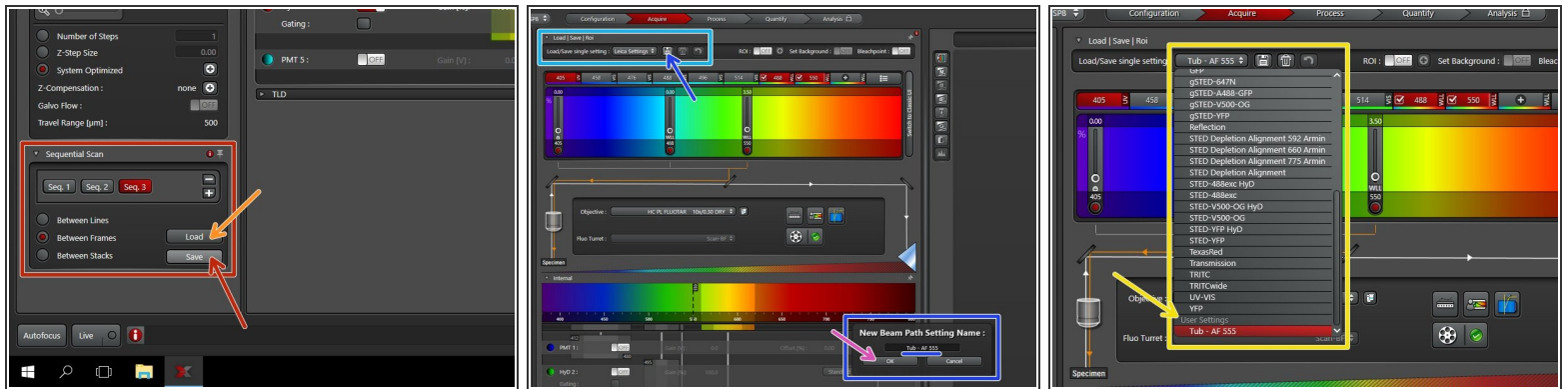
Please find detailed information about the system setup [here](#).

Step 1 — Saving your data



- Go to **"Open Projects"** tab.
- **Save your data**
 - by either **right-clicking** on the "Project",
 - using the **"Save All" icon** on top,
 - or clicking the **save sign** behind the "Project".
- ☑ Please save your data on your core storage (network path: **"\\files.core.uzh.ch"**).
- ⓘ Please follow our instructions [here](#) on how to access your data.

Step 2 — Saving your settings



i You can save your settings and reuse them by loading them in your next imaging session. By default the following settings will be loaded: laser intensities, detector settings, averaging and accumulation settings.

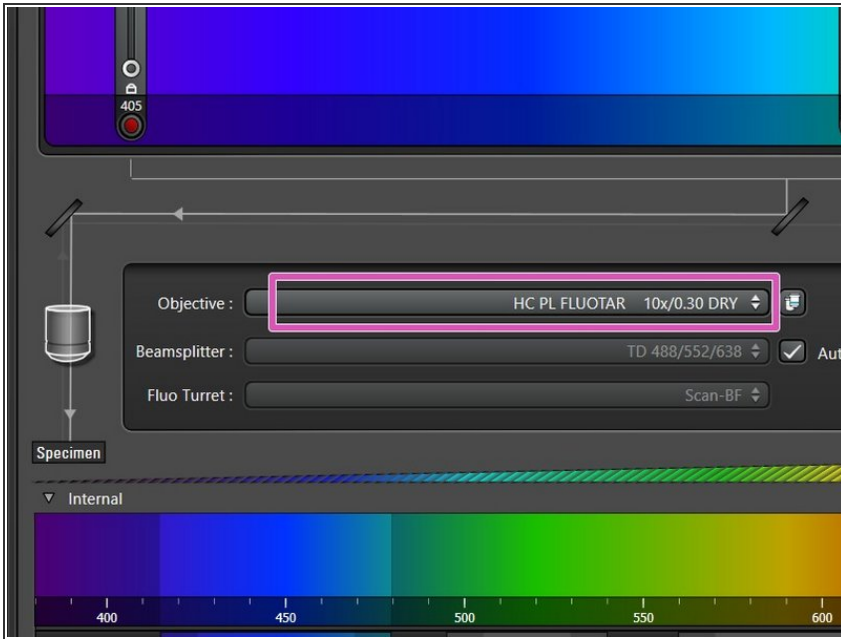
- Save your **sequential scan settings** if applicable.
 - In your next imaging session you just need to **activate "Seq"** and click **"Load"** in order to retrieve your scan settings.
- To save only **single channel settings**:
 - Click the **"Save-Sign"** and choose an appropriate name for saving.
 - Click **"Ok"**.
 - You can now find your single channel setting under **"User Settings"**.

Step 3 — Cleaning



- Lower the **objectives** and remove your sample.
- **Clean** the immersion objective(s) you have used with the available **"KIMTECH" wipes** and **100% EtOH**.
 - ⚠ Always clean the lenses in concentric circles and from the center to the edge. Clean also the sides of the objective(s).
- ❗ Please also take care that immersion media has been cleaned off of all the other microscope parts which got in touch with.

Step 4 — Switch to the 10x objective



- Switch to the **10x dry objective**.

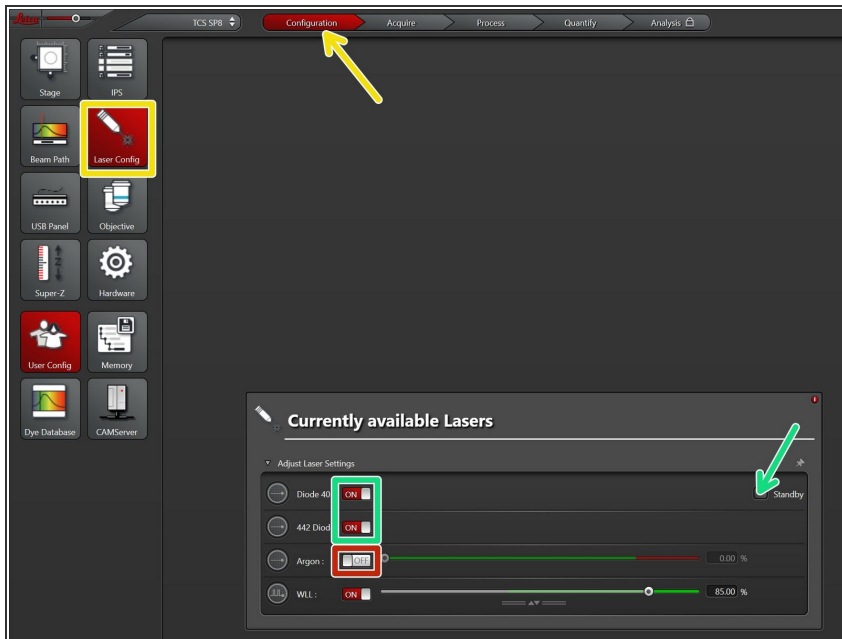
Step 5 — Optional - Switch OFF environmental control



⚠ Only follow this step if environmental control was applied during your experiment.

- 37°C and 5% CO₂ are set as a standard. If you have changed it during your experiment, please set it back to the standard values.
- **Switch off** the heating cube.
- **Switch off** the brick (CO₂ control).
- **Close** the dedicated **valves** of the gas and air supplies.

Step 6 — Lasers and closing the "LAS X" software



- Go to "**Configuration**" and choose "**Laser Config**".

⚠ Check in the booking system if there is another booking within the next 2 hours.

- If YES

- keep the lasers **ON** or put on **standby**,

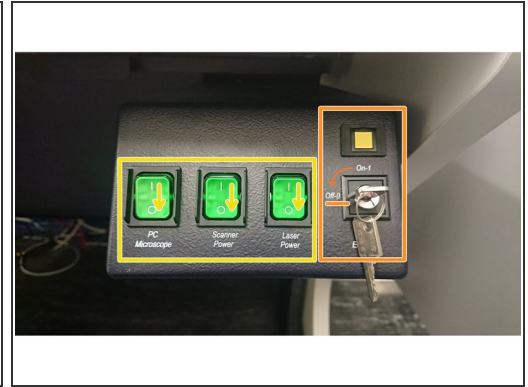
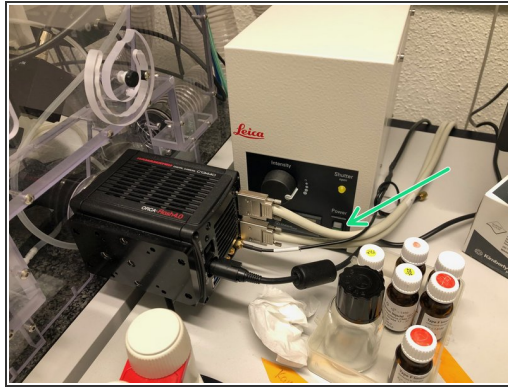
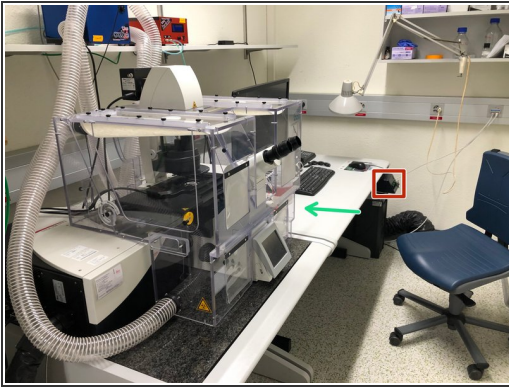
- **close** the "**LAS X**" software and **Sign-Out**.

- If NO

- switch **OFF** all lasers ,

- **close** the "**LAS X**" software, **shut-down** the **PC** and follow the next step.

Step 7 — Switch OFF hardware



⚠ Only follow this step if there is no booking within the next 2 hours.

- Switch-OFF the **fluorescence lamp**.
- On the **main switch board**
 - turn the "**Laser Emission**" key to "Off-0".

⚠ **Wait for 5 min** to cool down the lasers.

- Finally switch OFF the "**Scanner Power**", "**Laser Power**" and "**PC/Microscope**".

⚠ Take care the PC has been fully shut-down before.