# Leica SP8 inverse (Lengg): Shut down

How to shut down the Leica SP8 inverse confocal laser scanning microscope located at the Research Center Children's Hospital.

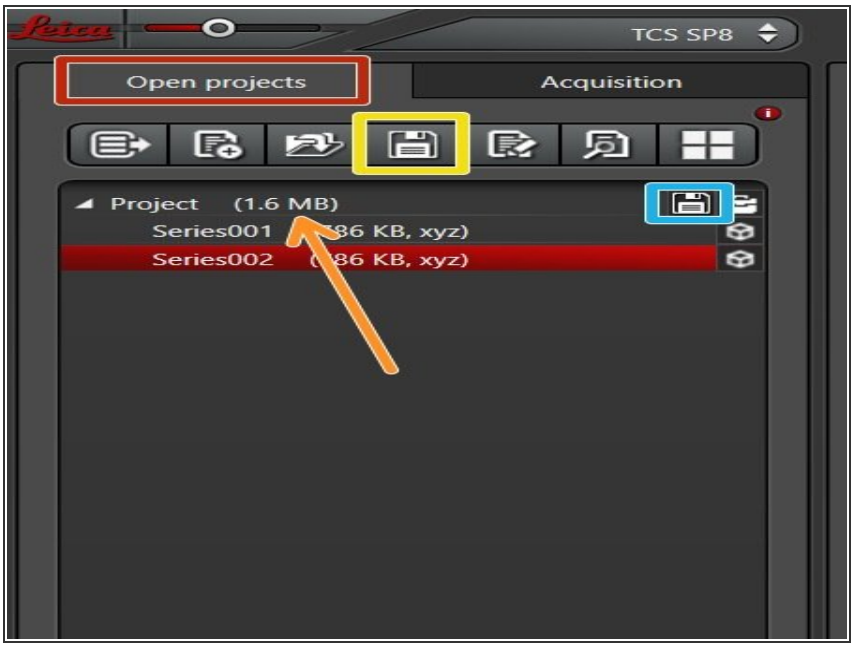
Written By: Jana Döhner



# 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.

## Step 1 — Saving your data

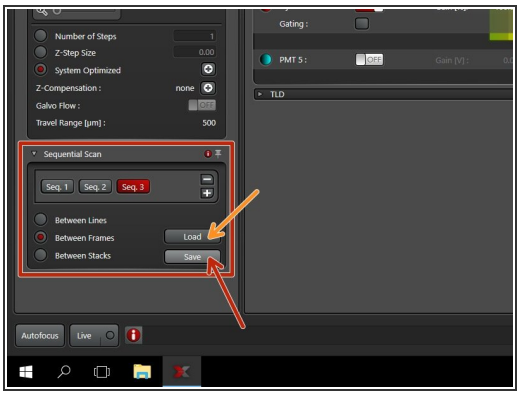


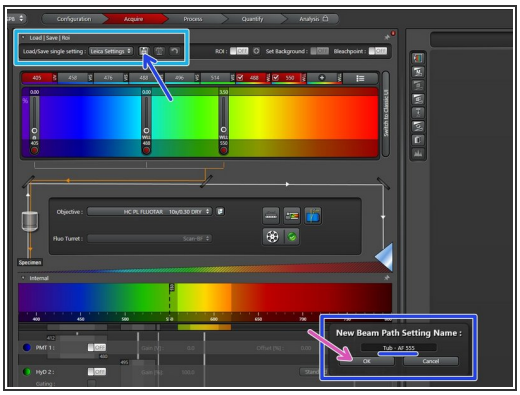

- Go to **"Open Projects"** tab.
- **Save your data**
  - by either **right-clicking** on the "Project",
  - using the **"Save All" icon** on top,
  - or clicking the **save sign** behind the "Project".

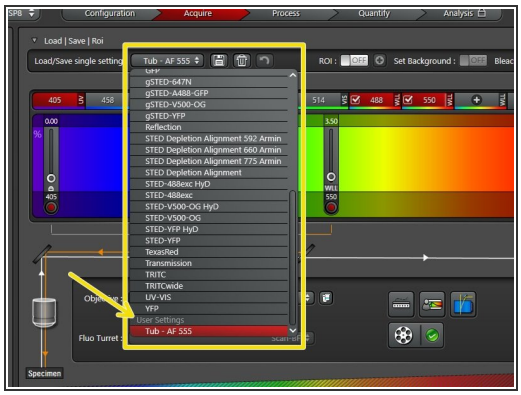
Please save your data on your core storage (network path: **"\\files.core.uzh.ch\"**).

*Please follow our instructions here on how to access your data.*

## Step 2 — Saving your settings




ⓘ *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





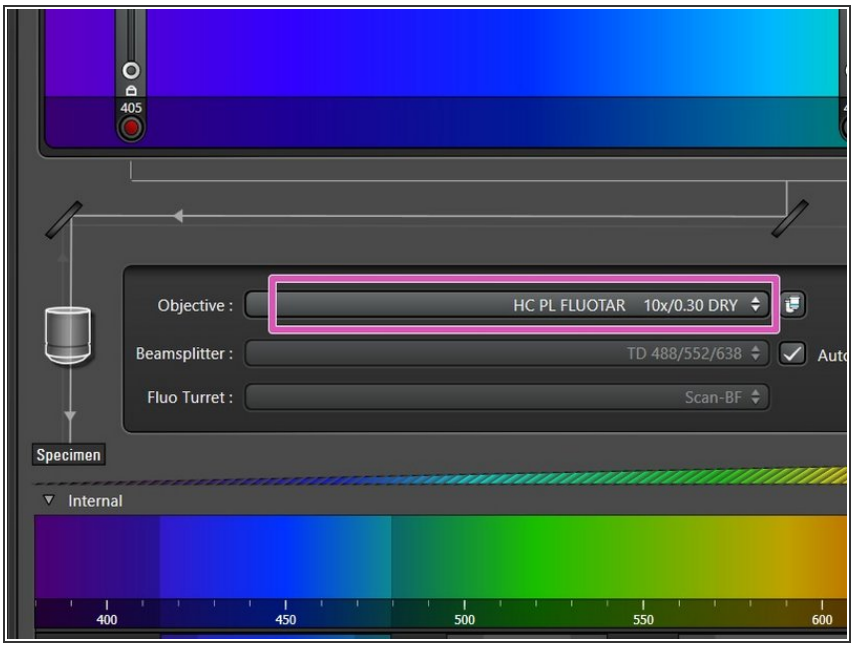


- **Lower** the **objective** and remove your sample.
- **Clean** the immersion objective(s) you have used with the available **"KIMTECH" wipes** and **100% EtOH**.

  ⚠ 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



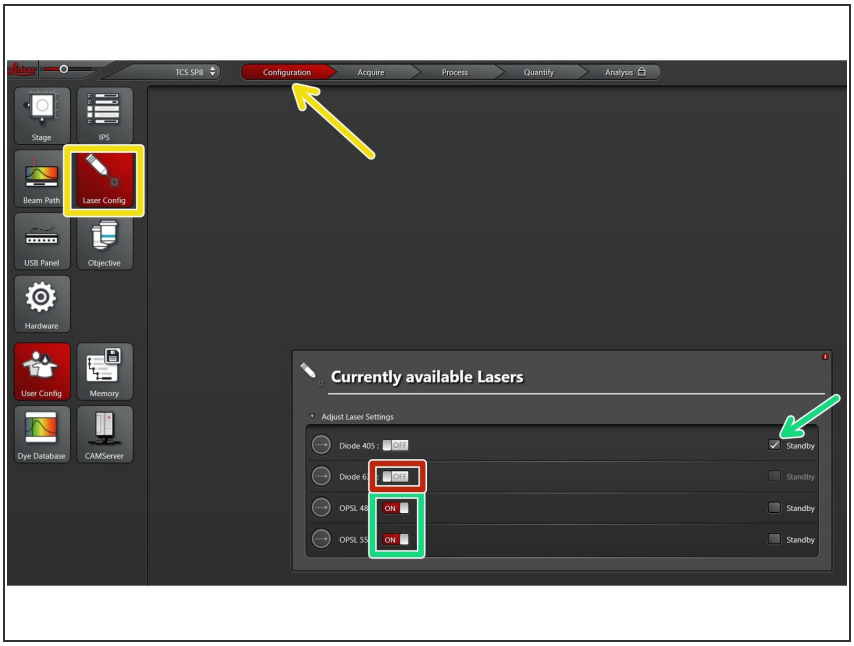
⚠ Only follow this step if environmental control was applied during your experiment.

- 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.

ⓘ *Cube (temperature) and brick (CO2) do not to be switched off separately - they are powered by the mentioned power switch below.*

- **Switch off** the **power switch** on the cable strip.

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

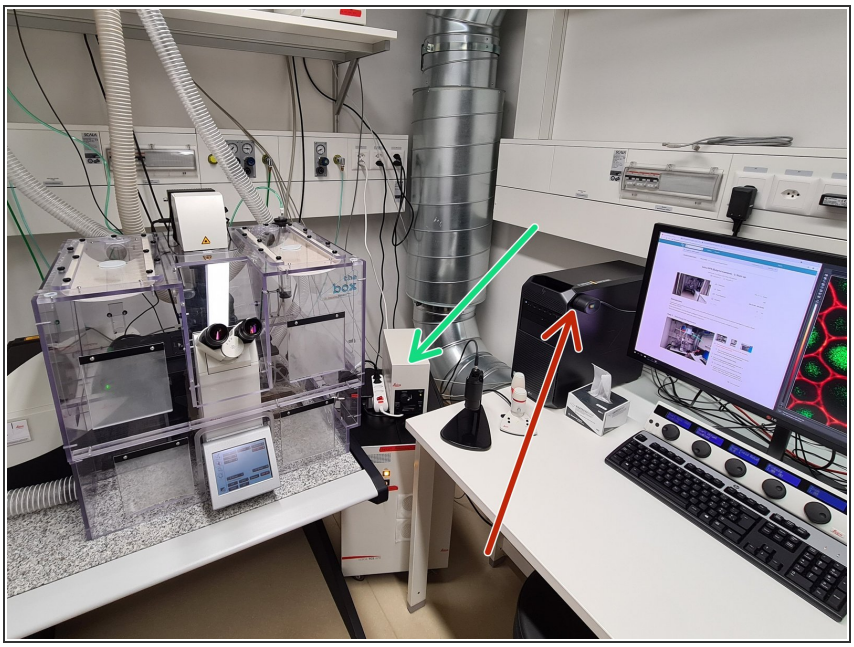



- Go to **"Configuration"** and choose **"Laser Config"**.

⚠ 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**.
- Switch-OFF the **main power switch**.
  ⚠ Take care the PC has been fully shut-down before.