

Leica SP8 Falcon (Irchel) - Part 2: Shut down

How to leave the Leica SP8 FALCON confocal laser scanning microscope located at the Irchel Campus, room Y42-H-81 once you are done.

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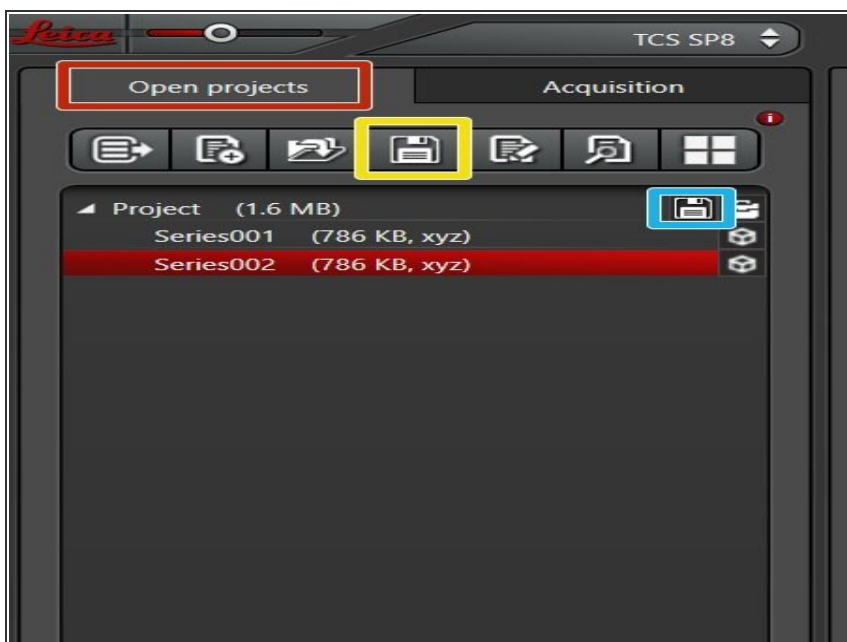


INTRODUCTION

How to log off or shut down the Leica SP8 Falcon confocal laser scanning microscope located at the Irchel Campus, room Y42-H-81.

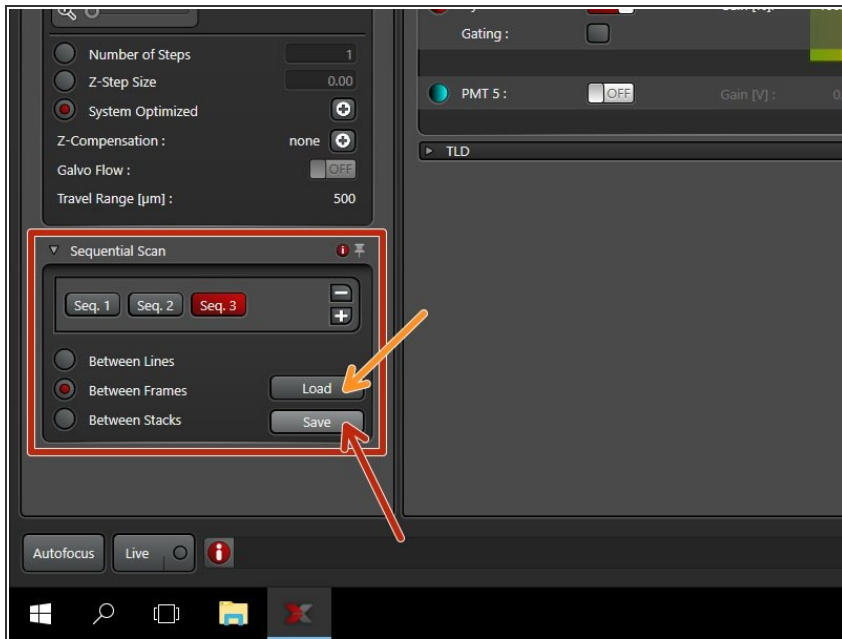
Please find detailed information about the system setup [here](#).

Step 1 — Save your data



- Go to the "Open Projects" tab.
- Save your data
 - using the "Save All" icon on top,
 - or click the save sign behind the "Project" if you only wish to save specific projects.
- ☑ 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



① 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.

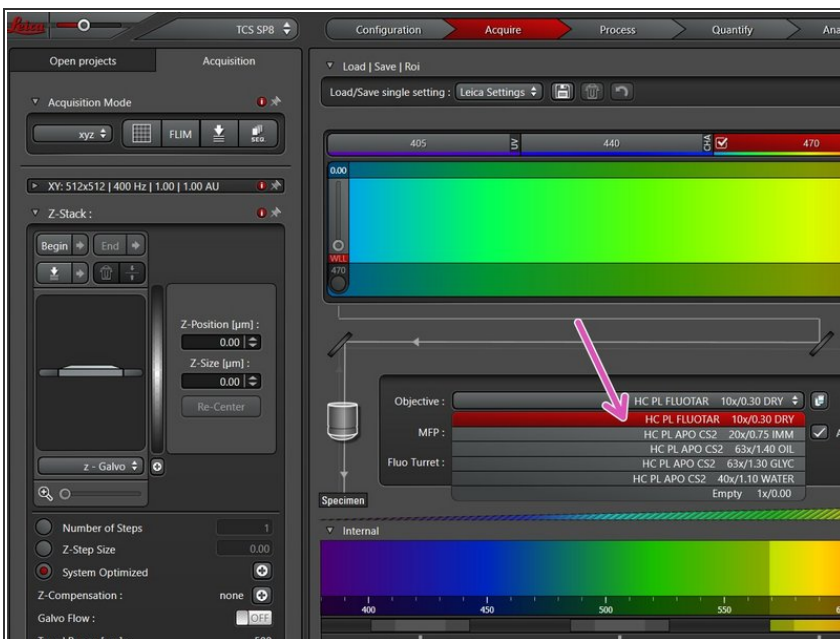
*① Please save the data on your core storage (network path: \\files.core.uzh.ch\) in the "**home**" **folder** to be able to access it after more than 4 months.*

Step 3 — Clean objectives



- 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 make sure that other microscope parts (e.g. stage) and desk are also properly clean.

Step 4 — Place the 10x objective



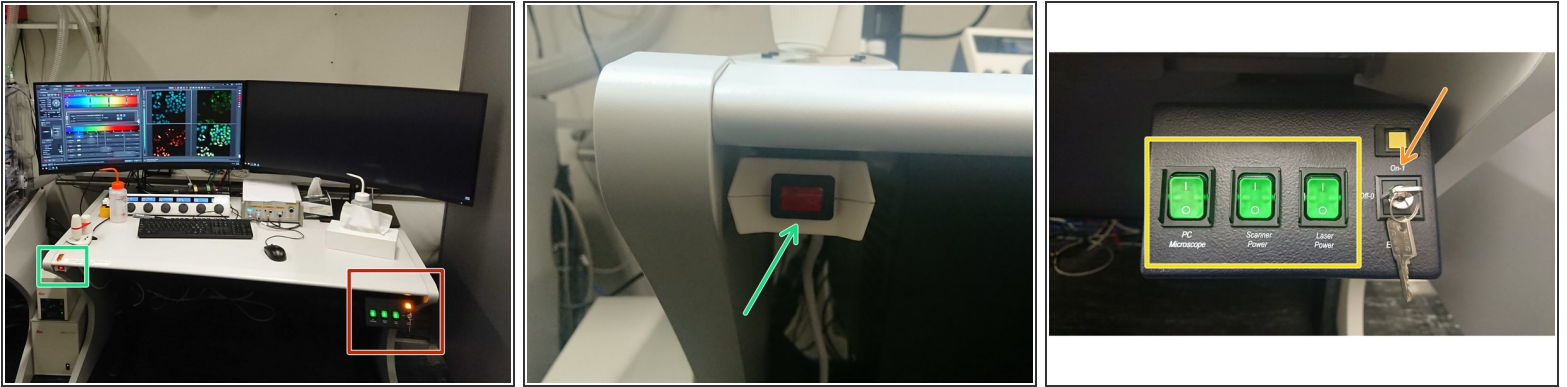
- Select the **10x dry objective** via the "LAS X" software.

Step 5 — Switch OFF the lasers in the software



- Go to **"Laser Overview"**.
- Set the **"Frequency"** to **80 MHz**.
- Go to **"Configuration"**.
 - Select **"Laser Config"**.
 - **Switch "OFF"** the lasers .
- ⚠ Check the booking system if there is another booking within the next 2 hours.
 - If **YES**, close the **"LAS X"** software and **Sign-Out**.
 - If **NO**, close the **"LAS X"** software, **shut-down** the **PC** and follow the next step.

Step 6 — Switch OFF Hardware



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

- On the right side of the table:
 - Turn the "**Laser Emission**" key to "**OFF-0**".
 - Switch OFF the "**PC/Microscope**", "**Scanner Power**" and "**Laser Power**" switches.
- Switch OFF the red button (underneath the table on the left).

Step 7 — Optional - Switch OFF environmental control



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

- ① 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 cube (temperature control).
- **Switch off** the brick (CO₂ control).
- Close the tap on the wall dedicated to CO₂ supply to the SP8 Falcon.
- ⚠ Check if CO₂ environmental control is being used by the other microscope in the room (SP8 STED).
 - If NO - **Close** the gas bottles used.
 - If YES - **Close** only the N₂ gas bottle exclusively dedicated to the Falcon (if it was used).