# Quick Start — Leica TCS SP8

## System Start Up



For system configuration with CSU: Turn on the ---Turn on the PC and await the booting microscope process. Then turn on the power supply control box. for the scanner 1 and the lasers 2 by pushing the green buttons and turn the

# lexible Supply Unit (FSU)

For system configuration with FSU: Turn on the power supply for the PC (1), the scanner (2) and the lasers (3) by pushing the green buttons and turn the laser key 4, to open the laser shutter.

### Software Start Up

clicking the

LAS AF icon.



tion for **Configuration** and **Microscope**. Click **OK** and follow the instructions (i.e. Initialize Stage).

### Laser Start Up

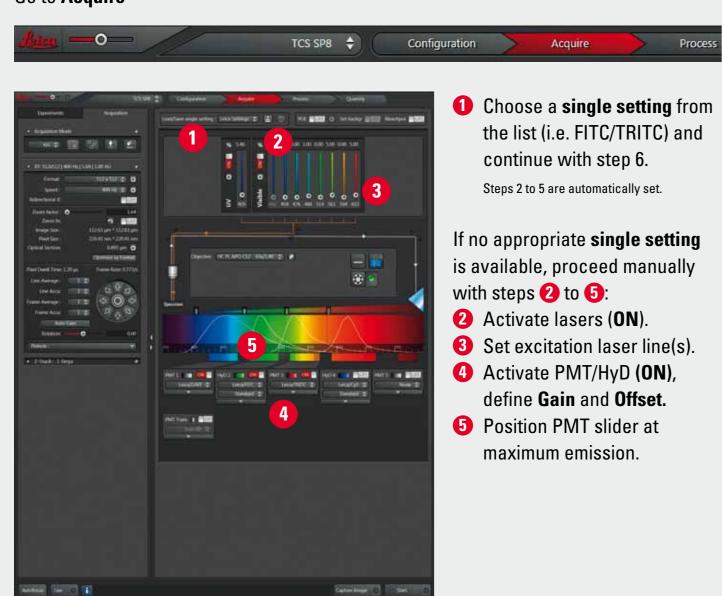


Go to Configuration.

Activate lasers. 2 Use the slider to set the laser power of the Argon laser (458 nm-514 nm) to 20-30 %.

#### Image Acquisition

Go to **Acquire** 



laser key 3, to open the laser shutter.



6 Start Live scan\*. 7 Click **QLUT** to switch to Glow (0&U). the respective wheel on the

Change **Z Position** by turning control panel until you get the brightest signal (focal plane).

Optimize image settings manually by adjusting steps 3 to 5, until the image contains a few blue (saturated) and green (no signal) pixels. Go back to original LUT 7 by clicking twice.

**8** Capture Image\*. Save Experiment (see below, Z-Series Acquisition).

#### **Z-Series Acquisition**



- Open **Z-Stack** Dialog.
- 2 Set Focal Plane. 3 Set Begin- and End-Position.
- **4** Click **System Optimized** to
- define the number of slices.
- 5 Click **Start** to acquire the z-series\*.



- 6 Click Max. to generate
- a maximum projection. **7** To save the experiment go to tab **Experiments** and
- 8 click on Save.

### System Shut Down

Follow exactly the sequence described to shut down the system:

- 1. Deactivate all lasers in the laser configuration window (see Laser Start Up section), wait approx. 5 min. until ventilation of Argon laser has shut-off.
- 2. Close software.
- 3. Shut down PC.
- 4. Shut down CSU or FSU, respectively, in reverse order (see **System Start Up** section).







\* CAUTION!

Laser Light in objective plane from now on. User manual must be strictly observed.

