

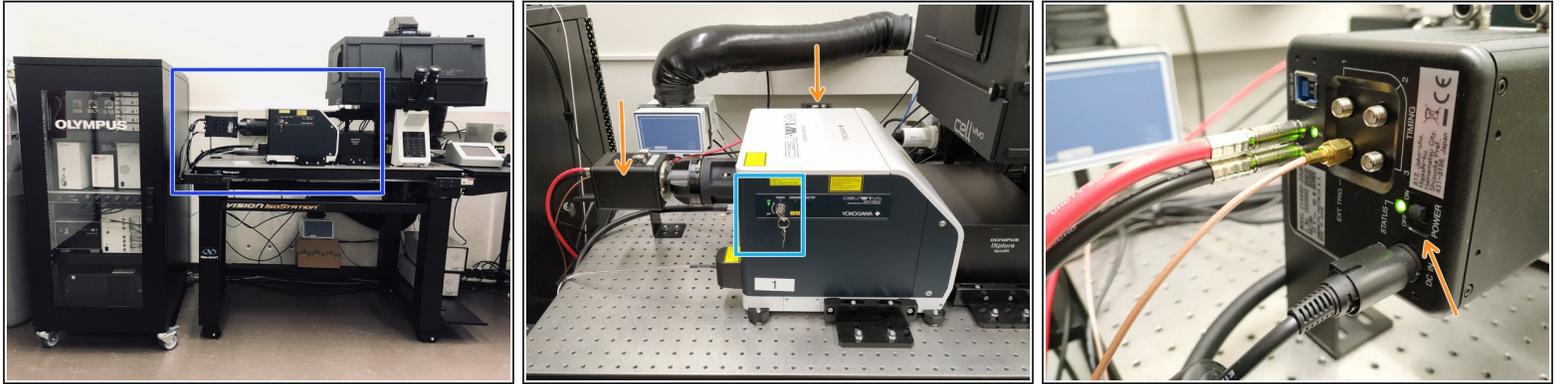
Olympus Spinning Disk - 1: Start up

How to start up the Olympus spinning disk located at the Center for Microscopy and Image analysis, UZH, Room Y42-H-83.

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Step 1 — Switch on the cameras and CSU-W1 Yokogawa unit



⚠ The correct start up sequence is very important for proper microscope function. Carefully follow the next steps.

i The numbers in brackets correspond to the sticky labels on the microscope.

- Turn the key on the CSU-W1 Yokogawa unit (1) to ON.
- Switch on the two cameras. You will find a switch on the back of each one of them.

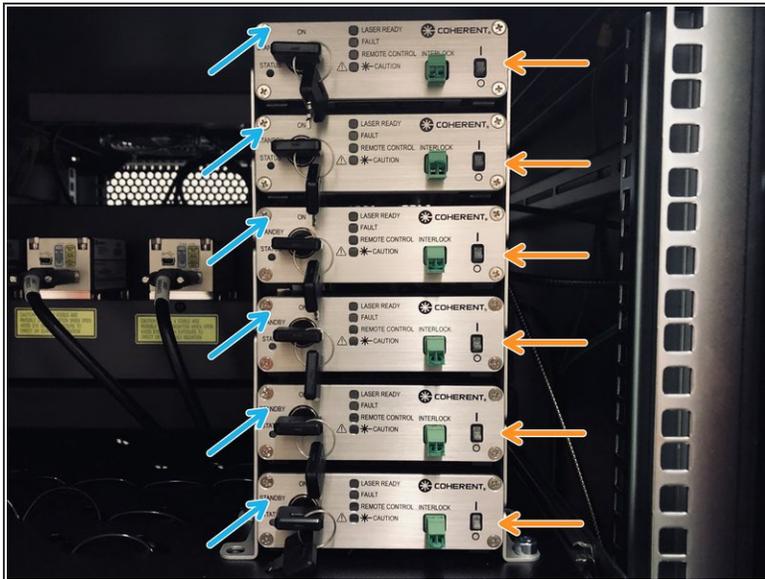
⚠ Make sure the "Status" LED next to the switch is green before turning on the PC at step 6.

Step 2 — Open Olympus rack



- Open the rack door.
- Locate the lasers controllers on the top shelf (2).
- Also locate the controller boxes on the shelf bellow (3).

Step 3 — Switch on the lasers



- First turn on all 6 laser switches (2).
- ⚠ Wait until ALL the laser lights stop blinking.
- Next turn the 6 interlock keys on the left.
- The status lights should now be all green.
- ⓘ If there is a blue light instead, turn the key off and on again.

Step 4 — Olympus controller boxes



- On the lower shelf switch on the two Olympus controller boxes (3).

Step 5 — Microscope board



- Next switch on the microscope controller. You will find a button on the back of the touch screen controller (4).

Wait until "Start Operation" is visible on the display panel.

Step 6 — RTC and computer



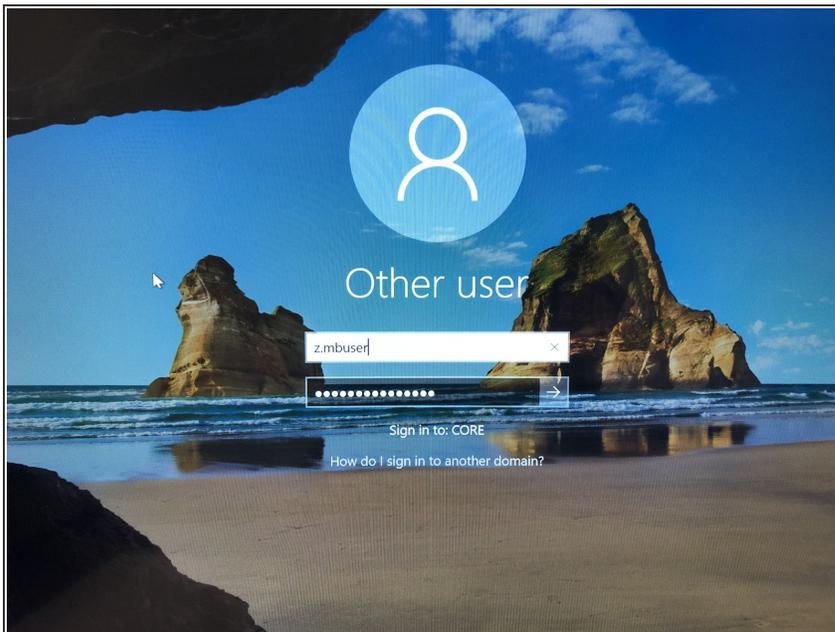
- Return to the Olympus rack and switch on the RTC Box (5).

⚠ Wait for the "RTC READY" light to turn green! It might take a couple of minutes.

⚠ Make also sure the "Status" LED at the back of the camera next to the switch is green.

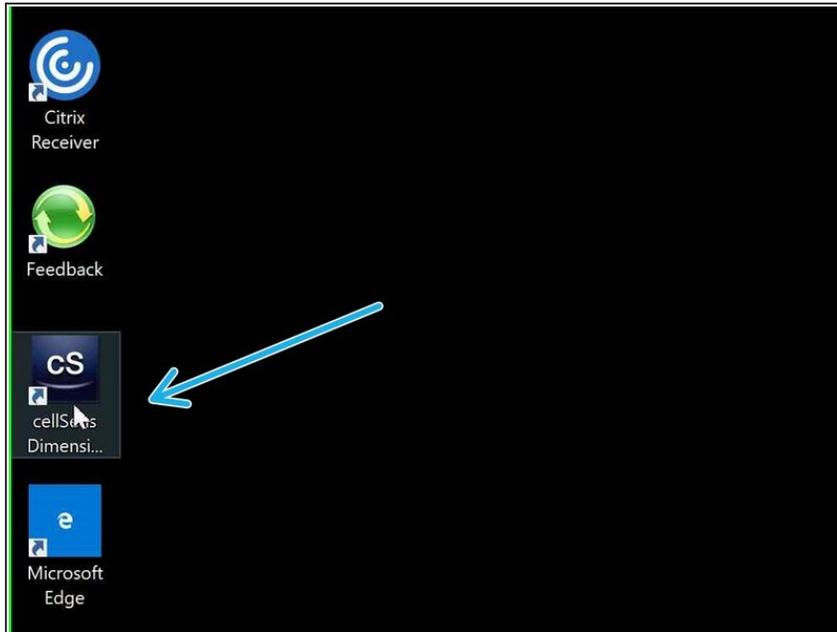
- You can now switch on the computer (6).

Step 7 — Log-in



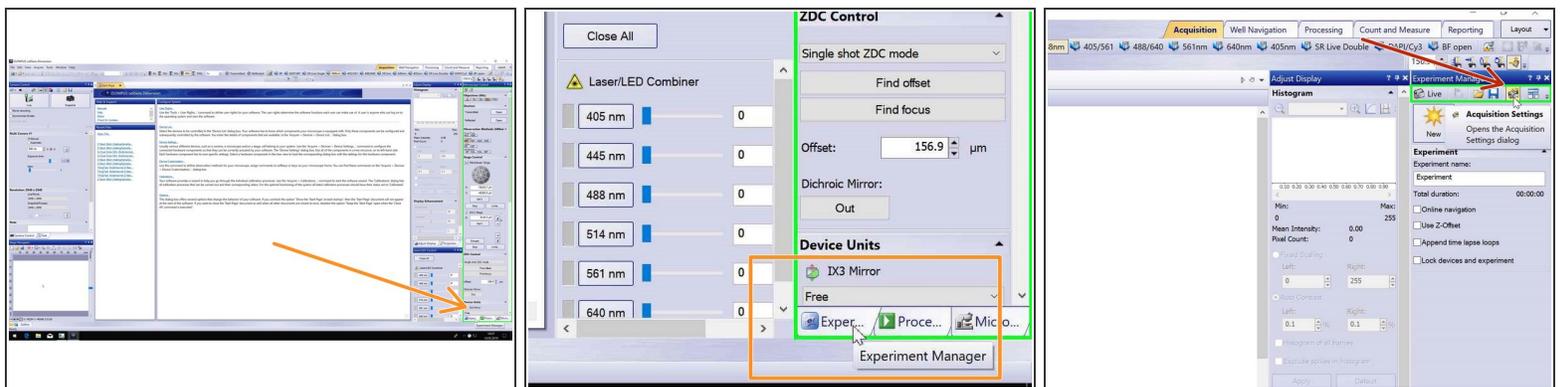
- Log in with your ZMB credentials

Step 8 — Start cellSens



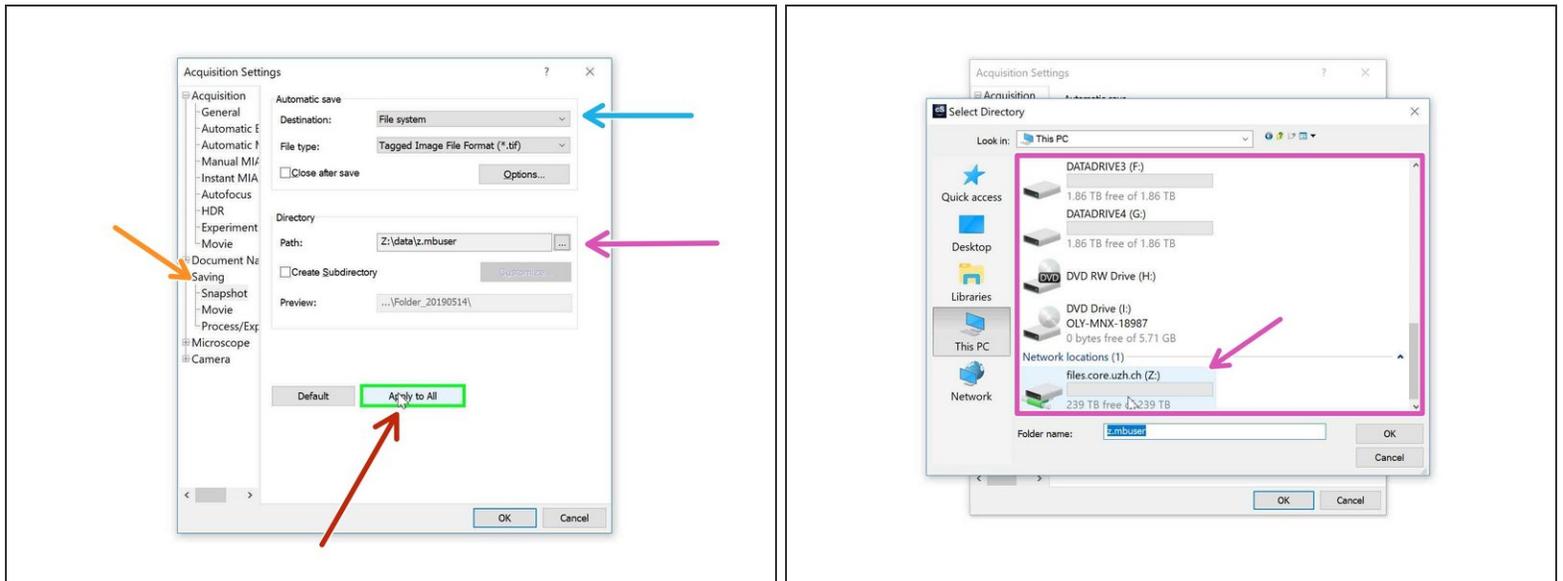
- Start "cellSens Dimension" software.

Step 9 — CellSens



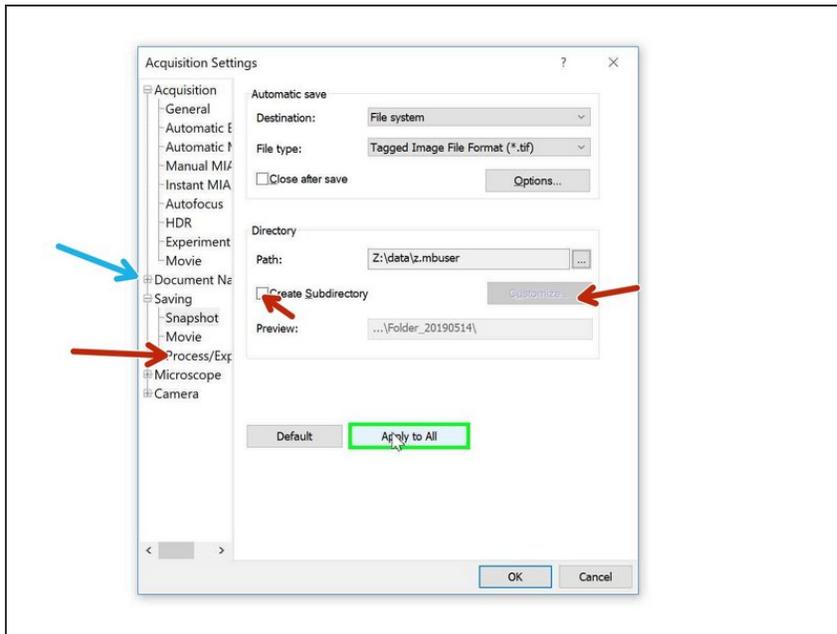
- Open the "Experiment Manager" tab on the bottom right.
- Define where your data will be saved by clicking on the "Acquisition Settings" icon.

Step 10 — Acquisition Settings



- Go to "Saving".
- Choose file system as "Destination".
- Choose your personal zmb data path folder on files.core.uzh.ch.
 - If you plan to acquire large data sets (eg. multiposition timelapses, large volumes, etc.) please use the X: drive. More details here.
- Finally press "Apply to All".

Step 11 — Acquisition settings: naming experiments



- When acquiring multipositions you can custom define the naming of your files/ experiments.
 - You can change file naming here.
 - Or create subfolders containing each well ID e.g.
- To set up an experiment go to [Olympus Spinning Disk - 2: Multichannel + Z-stack acquisition](#).

Step 12 — All available guides



- [Olympus Spinning Disk - 1: Start up](#)
- [Olympus Spinning Disk - 2: Multichannel + Z-stack acquisition](#)
- [Olympus Spinning Disk - 3: Overviews + multi-positions + xyzt images](#)
- [Olympus Spinning Disk - Datamover](#)
- [Olympus Spinning Disk - Photomanipulation unit](#)
- [Olympus Spinning disk - Load new/different device settings](#)
- [Olympus Spinning Disk - Widefield mode](#)
- [Olympus Spinning Disk - Shut Down](#)