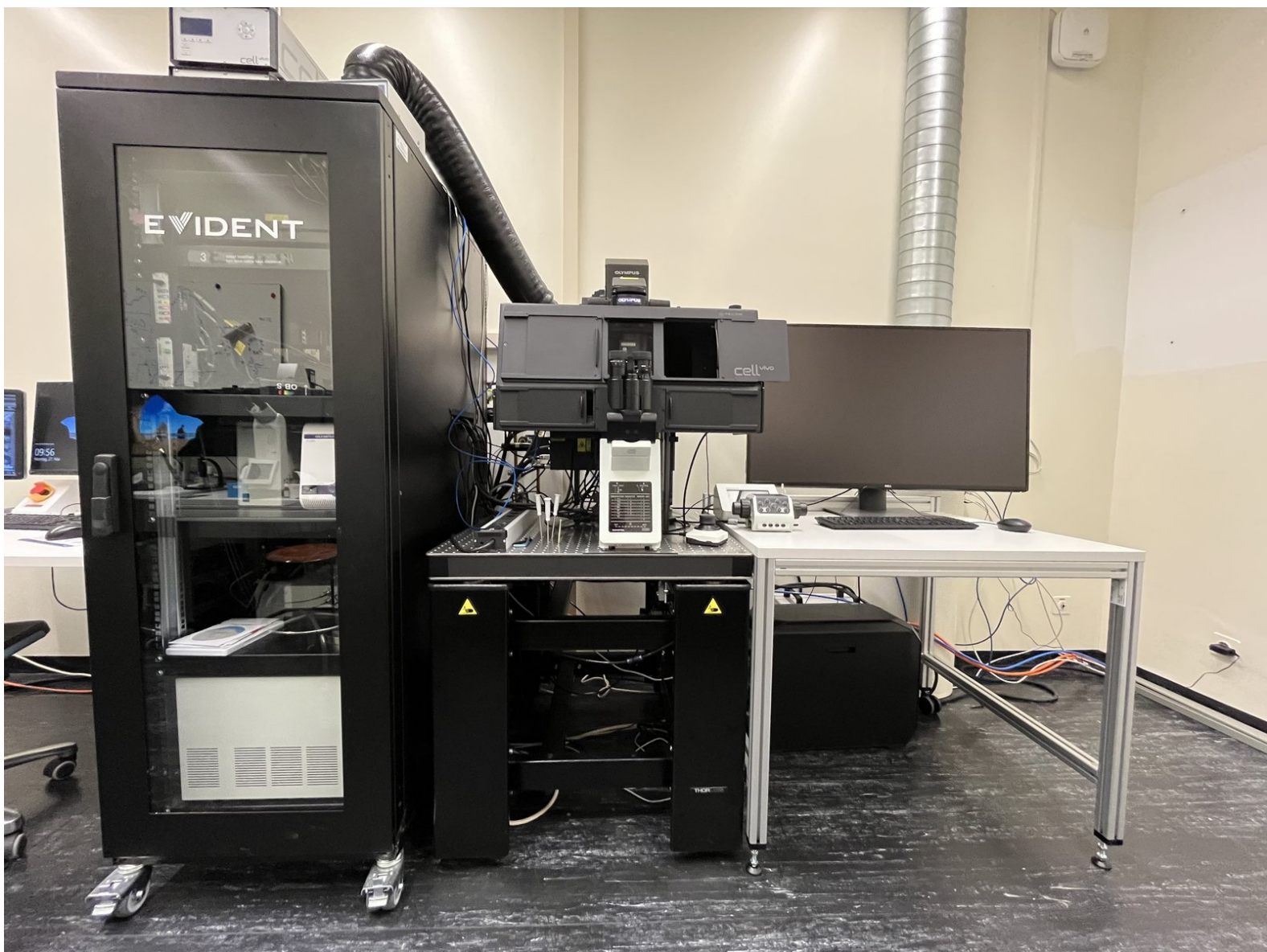


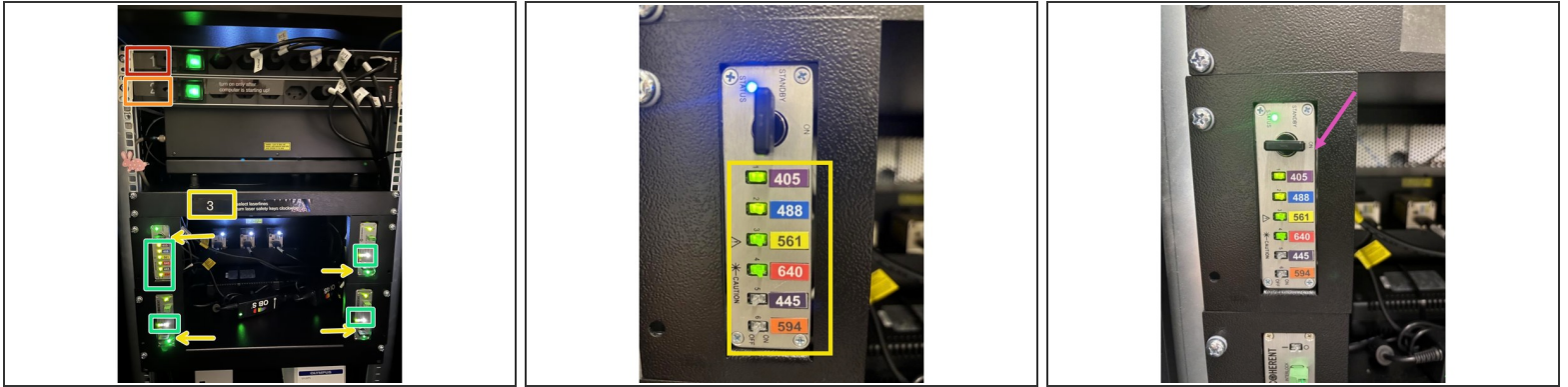
Evident Fluoview 4000 (Irchel) - 1: Start up

How to start up the Evident Fluoview 4000 (Irchel) located at the Center for Microscopy and Image analysis, UZH, Room Y42-H-**.

Written By: Urs Ziegler

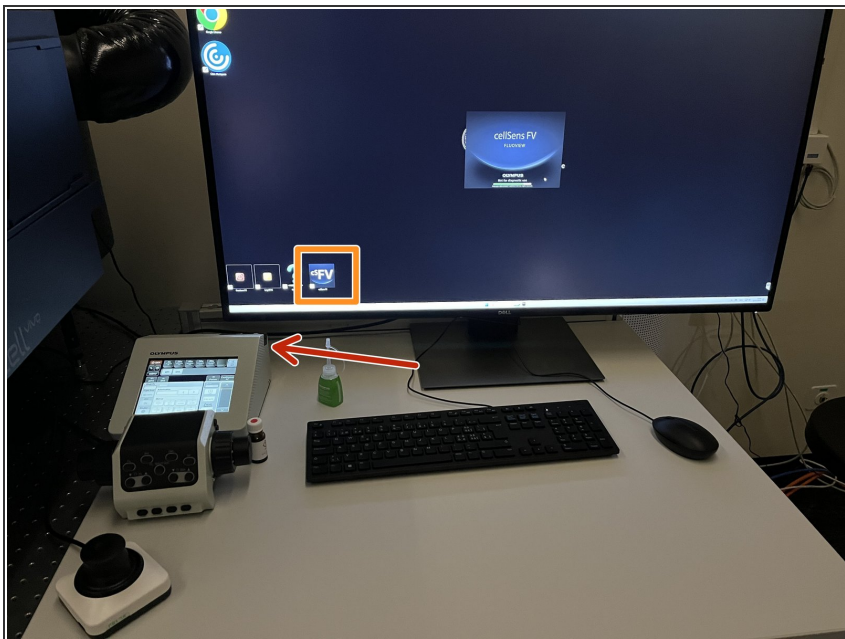


Step 1 — Turn on the computer, scanner unit and lasers



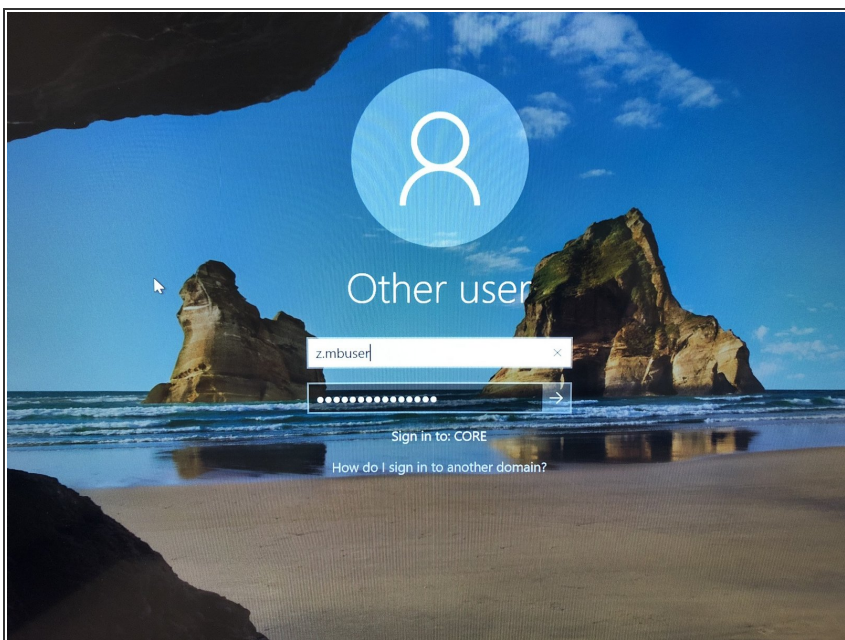
- ⚠ The correct start up sequence is very important for proper microscope function. Carefully follow the next steps.
- Press [1] on the power strip and wait for the computer to start.
 - Press [2] when the computer started.
 - Only start the green switches for the lasers you need.
- ⚠ In particular, the 594nm and 445nm laser **should stay off if not needed** as this can lead to rapid degradation of the optical fiber.
- Rotate the Safety Interlock Keys clockwise to ON of the lasers you want to use.
 - Make sure all laser indicator lights of the lasers you want to use are green. If not, turn the desired laser on.

Step 2 — Turn on the microscope



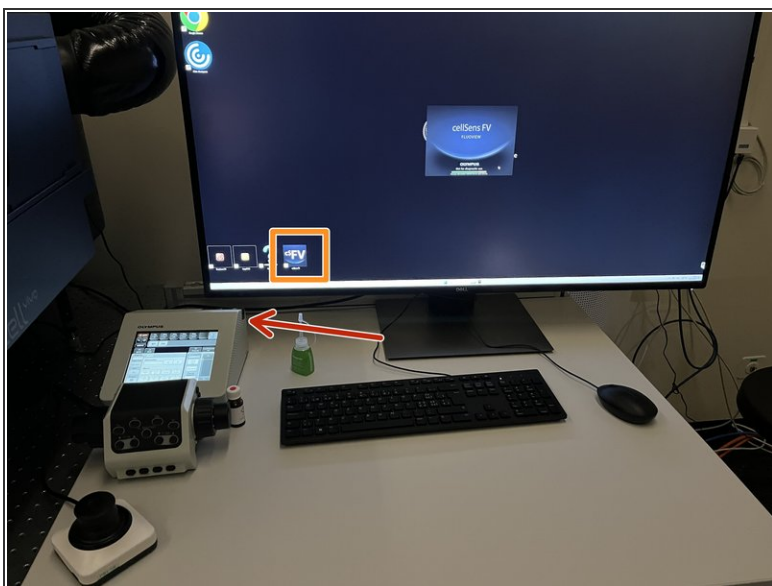
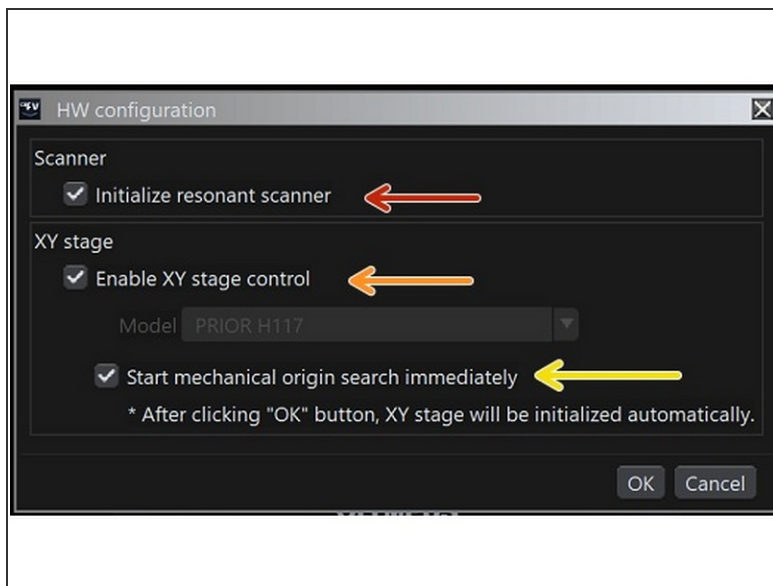
- Press [4] to turn on the microscope.

Step 3 — Log-in



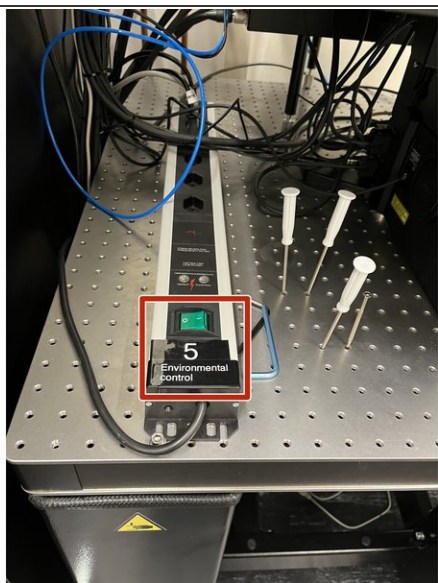
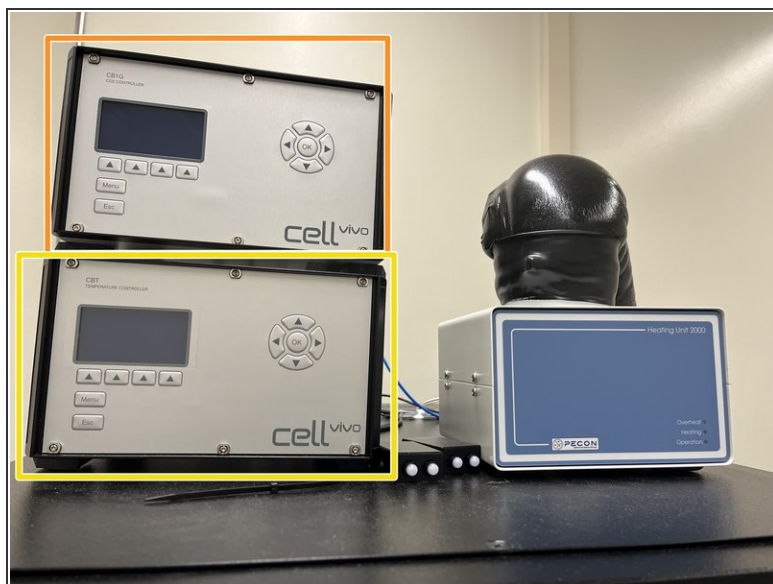
- Log in with your ZMB credentials.

Step 4 — Start the software



- Start Cellsense FV.
- Generally, the resonant scanner can always be initialized.
 - ① Only if experiments are affected with high pitched noise > 12kHz, the resonant scanner should be off.
- Always enable XY stage control.
- By default, enable 'Start mechanical origin search immediately'.

Step 5 — Environmental Control



- Press [5] if you wish to use environmental control.
- Adjust CO2.
- Adjust temperature.
- Fill water bottle with deionized water (inside the incubator box).