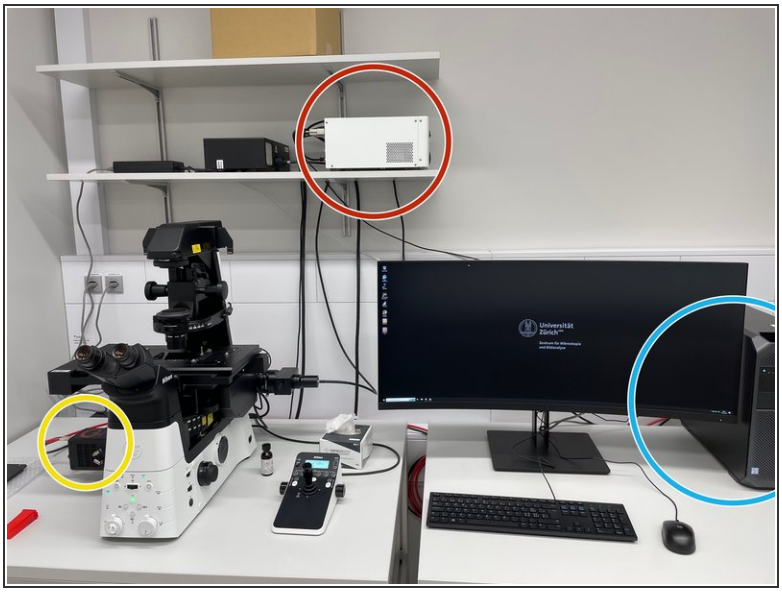
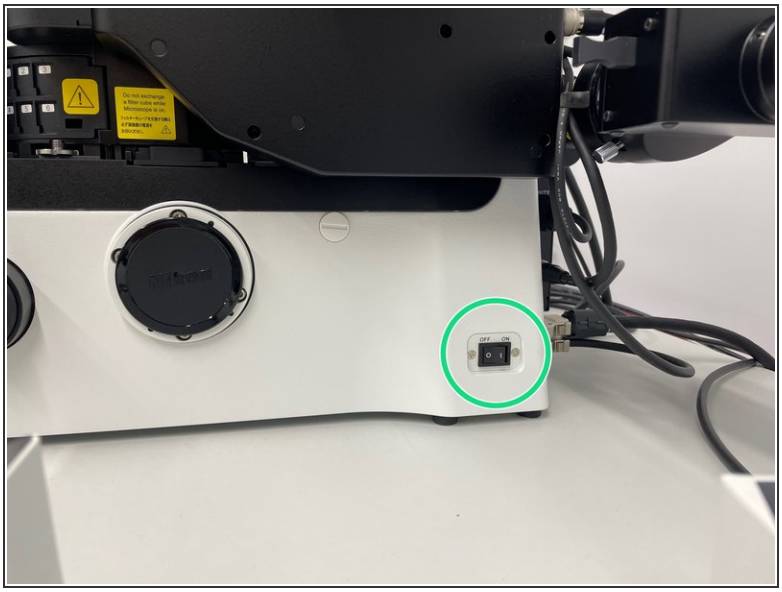
Nikon Ti2-E (Irchel) - Start up and overview

Written By: z mbstaff



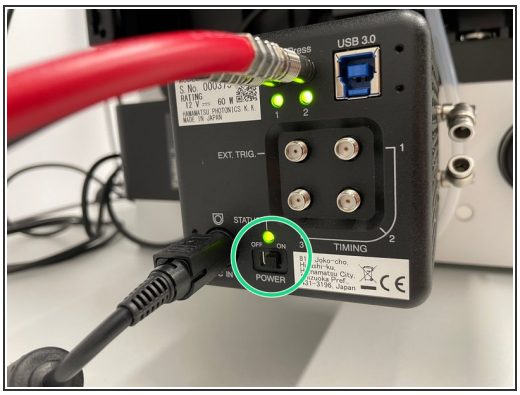
Step 1 — Components and startup





- control unit
- camera
- microscope computer
- turn the microscope stand on

Step 2 — Startup

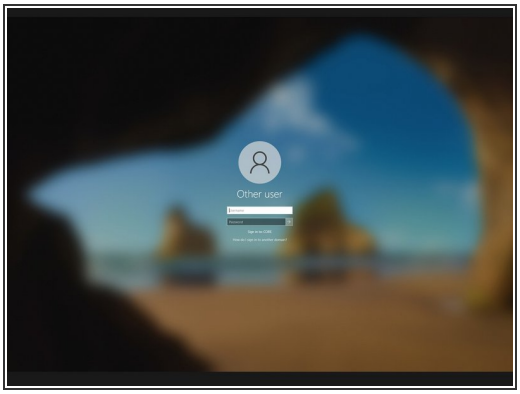


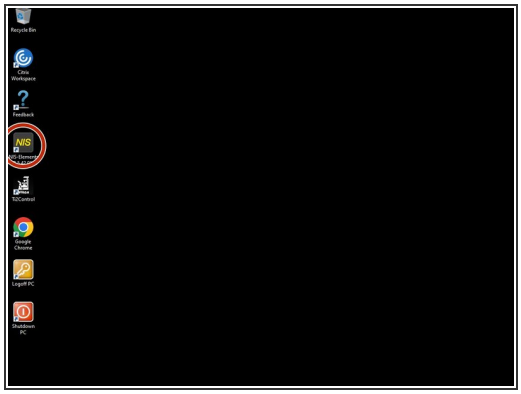
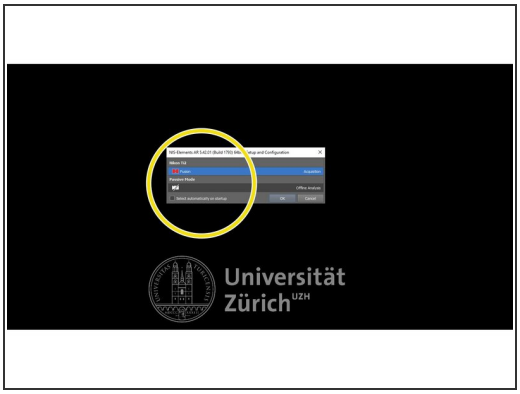




- turn the camera on
- turn the microscope control unit on
- turn the PC on (*check if the screen is also switched on*)

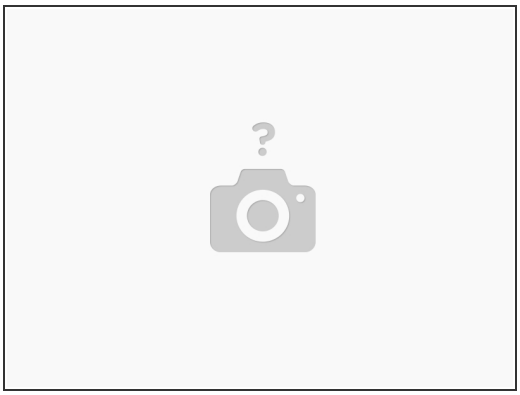
Step 3



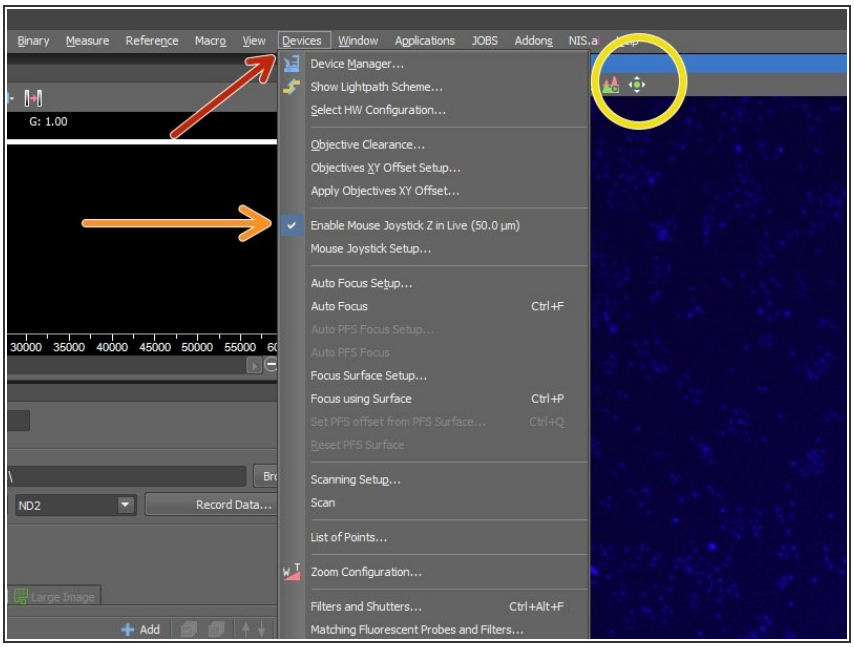
- Log in to windows with your zmb credentials
- Open Nikon **"NIS-Elements"**
- Choose **"Fusion"**

Step 4 — Load your sample



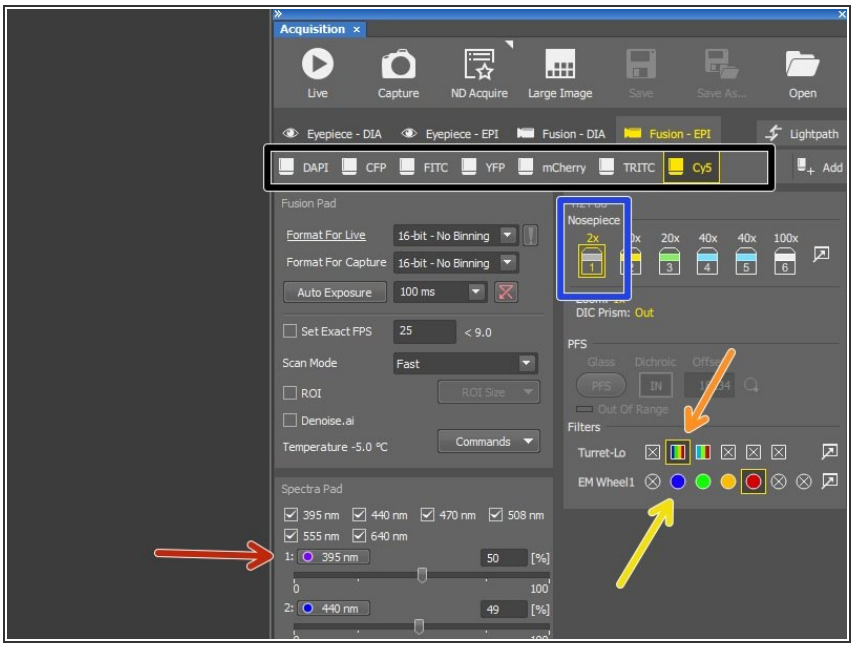
- Choose the right stage insert.

Step 5 — Use the mouse to focus and navigate



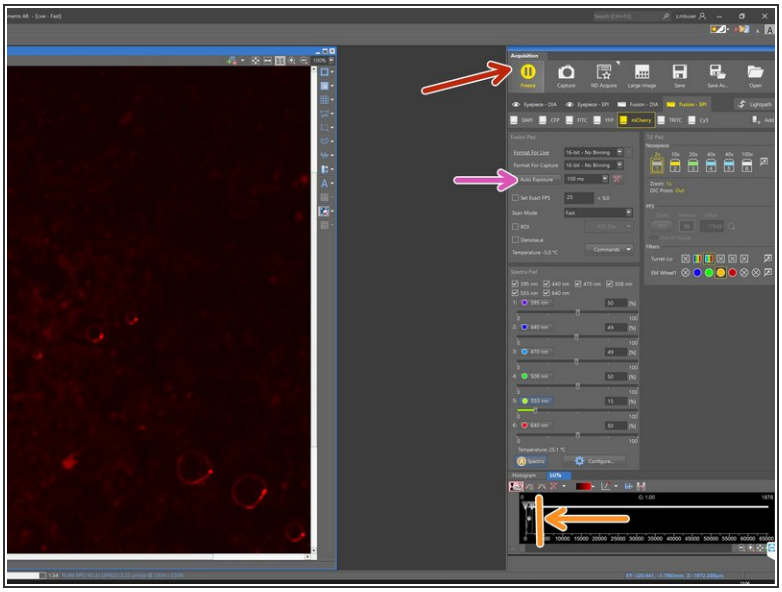
- Open devices
- Enable mouse joystick Z in live
- Activate mouse XY, while live acquisition
  - ⓘ With this seeting active you can use the mouse in the software to move the stage.

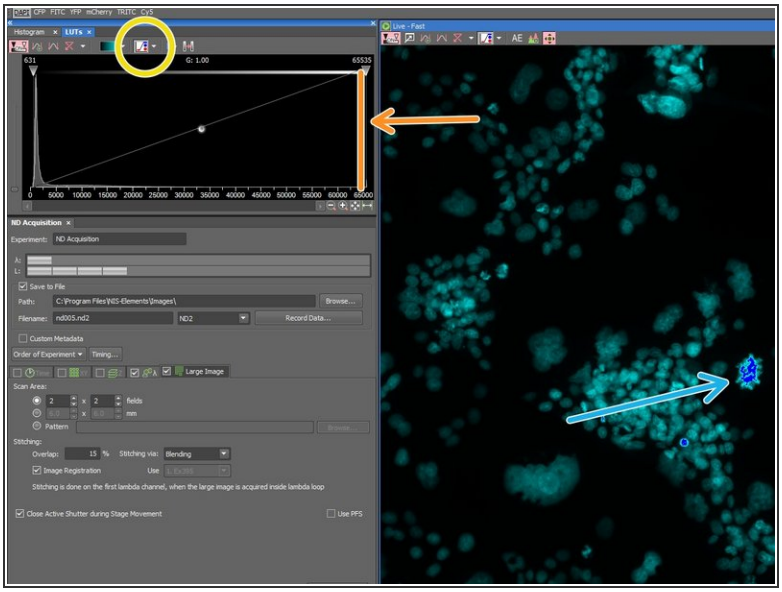
Step 6 — configure custom optical configuration (OC)



- Choose one of the preset optical configurations, that fits to your fluorophore.
- Choose illumination wavelength (when activated - highlighted blue)
- Choose excitiation filter
- Choose emission filter
- Choose 2x objective for overview acquisition

Step 7

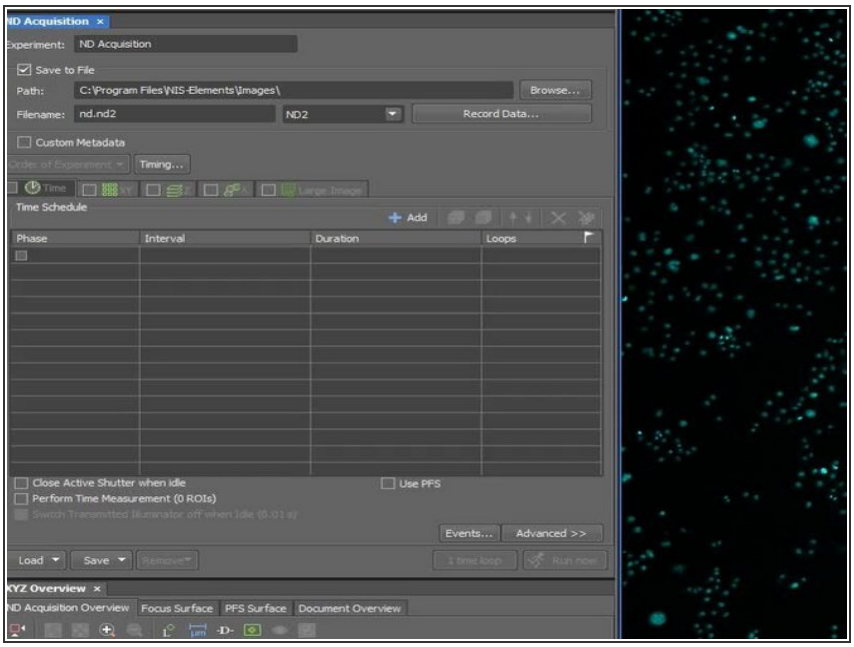




- Click on **"Live"**
- Click here to display over and undersaturated pixels.
  - oversaturated pixels in blue. The highlight colour can be changed.
- Adjust the look up table
- Use the mouse wheel in the live window to **focus** the sample.
- Adjust exposure time to your imaging requirements

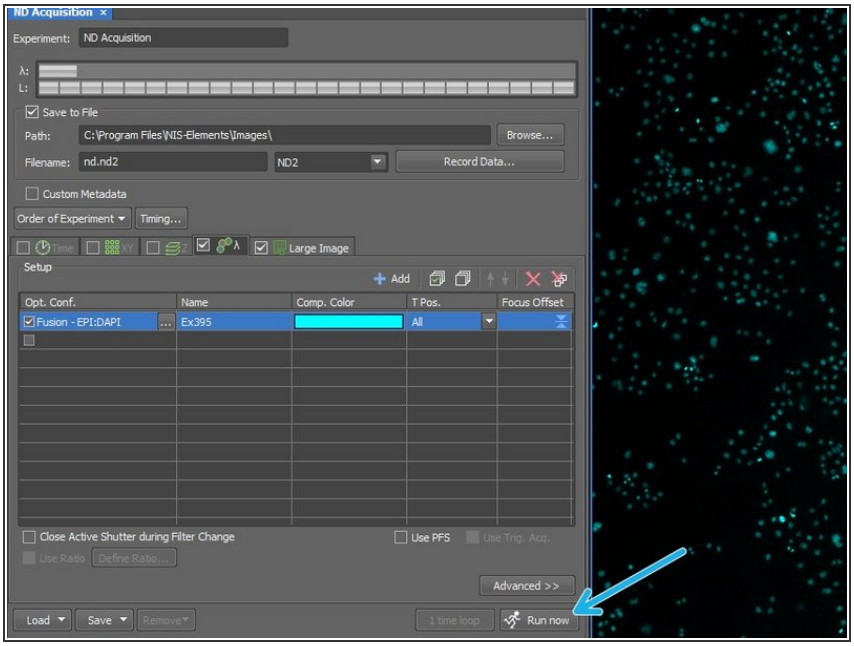
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Step 8 — Setup ND acquisition overview



- Go to ND Acquisition window
- Setup **"Large Image"**
- Setup Lambda

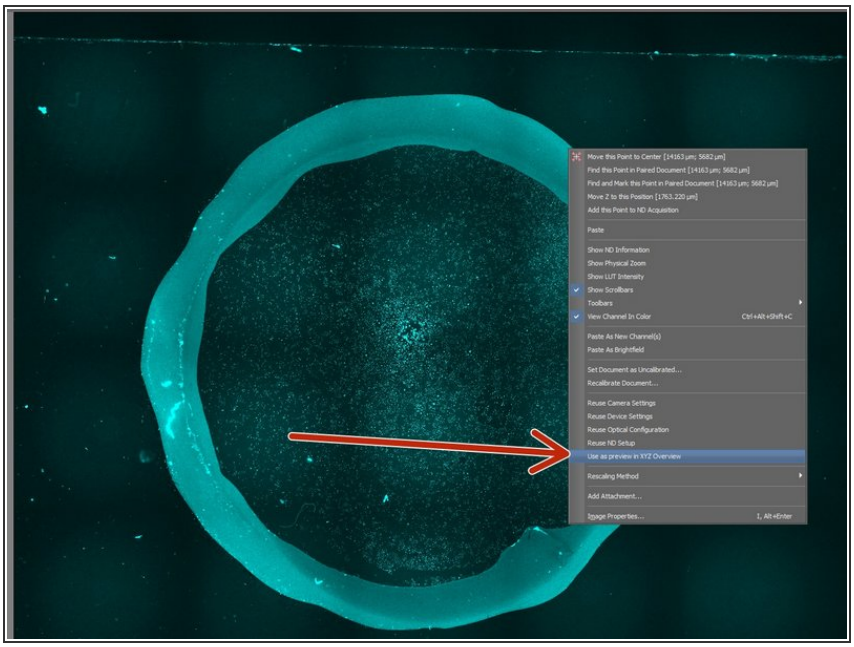
Step 9



- Click on **"Run now"** to start imaging an overview

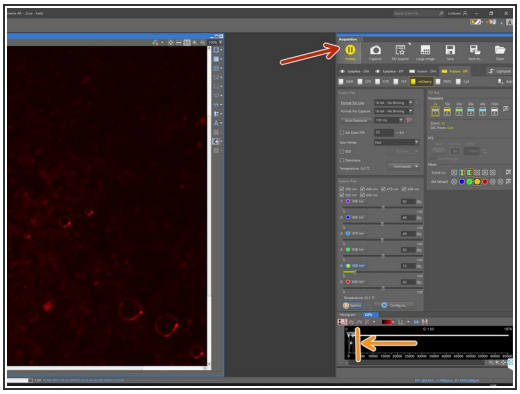
This document was generated on 2025-11-06 03:55:25 PM (MST).

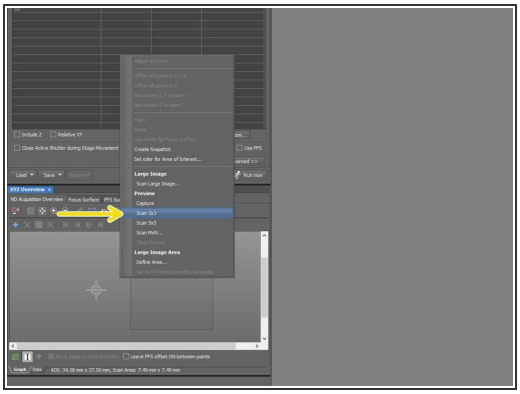
Step 10

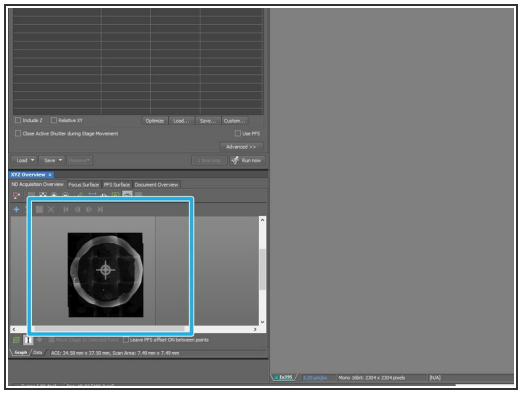


- Right click into overview image
- **"Use as preview in XYZ overview"**

Step 11







- Go **"Live"**
- Adjust look up table
- bring sample to focus (use mouse wheel)
- Right click in XYZ Overview area
- Choose **"Scan 3x3"**
- Use overview for navigation

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