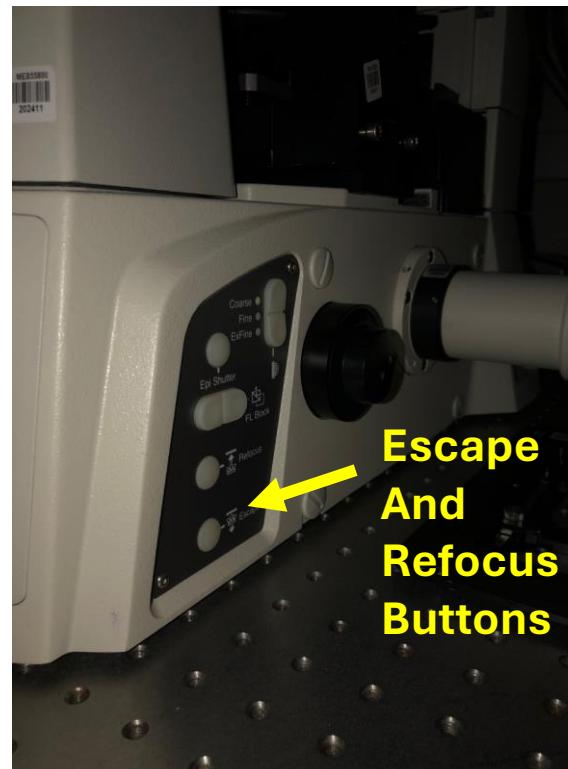
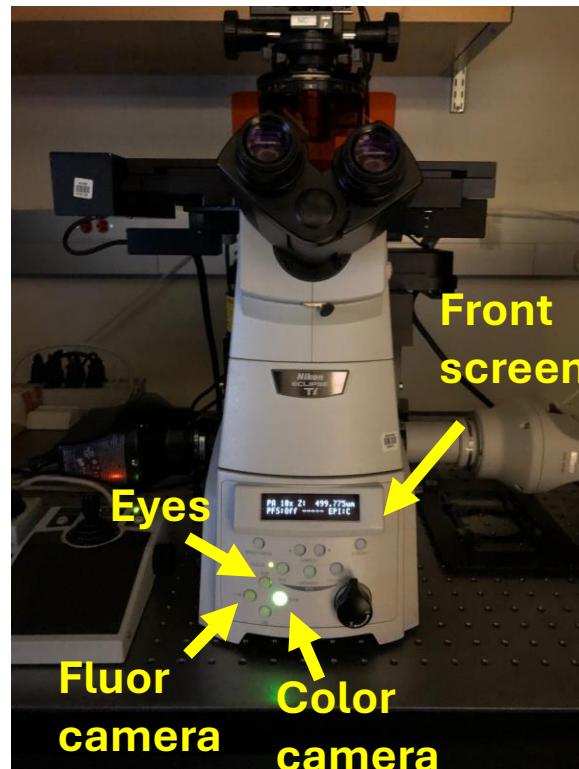
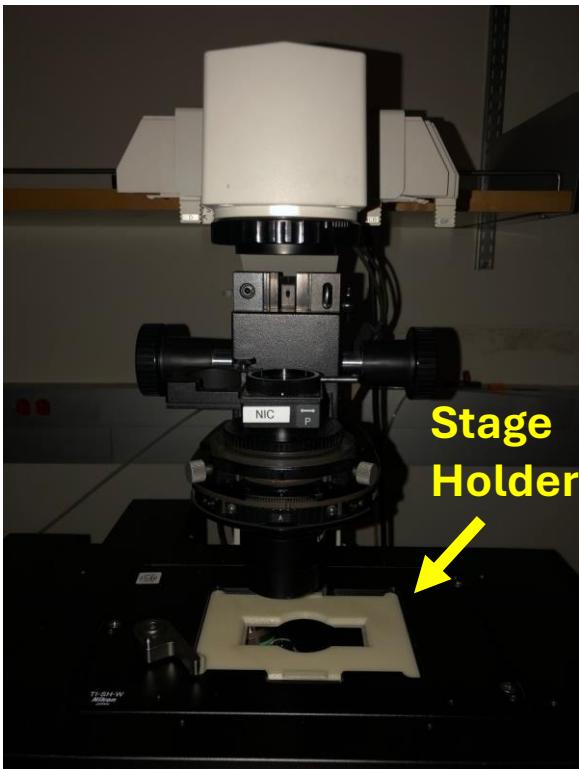


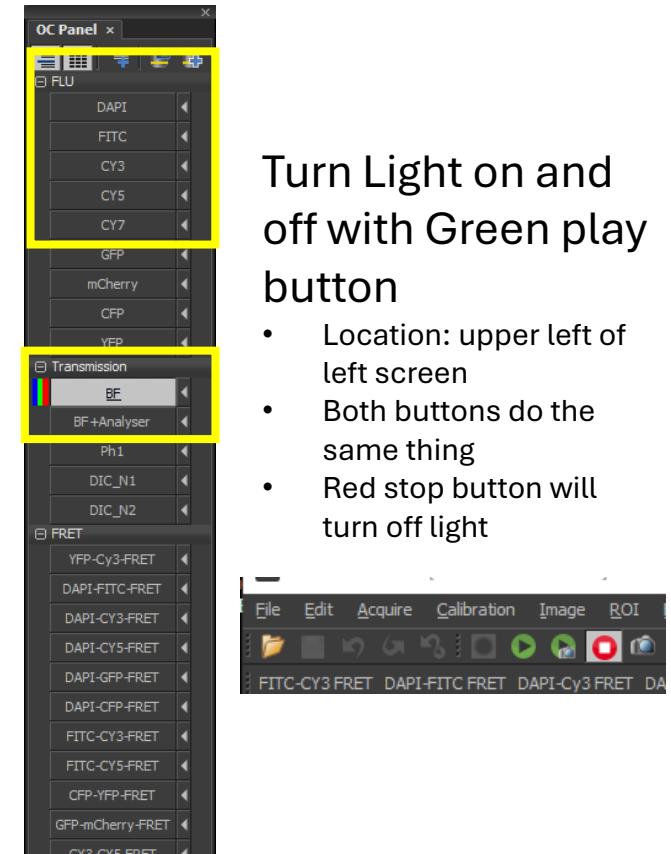
First steps: Setting up 6D microscope and focus on sample

1. Put in stage with 3D printed holder for slides
2. Put slide on with the coverslip facing towards the objective
3. Make sure objective is in safe position!! **Objectives are expensive!!**
 - Safe position is 500um (shown on front screen)
 - Get there easily by hitting escape on the right side of the microscope
 - Make sure to "Cancel" out escape so you can move the objective later by holding down "Escape" then press the "Refocus" button
4. Focus on Sample
 - Open NIS-Elements (**icon without the A**), when prompted choose the “DS-Ri2” camera for color imaging or “DS-Qi2” camera for fluorescent imaging
 - Turn on light by selecting on “BF” on OC panel for color imaging or fluorescent channel (DAPI, FITC, CY3, CY5) for fluorescent imaging, then the play button on the upper left screen
 - For focusing, look at the front screen on the microscope for help! If it isn’t moving you are locked in escape (see step 3.)
 - Turn focus knob towards you to raise objective up closer to sample and away from you to lower it down again
 - Focus height will be around ~2600-3000um



TIP: If you need to switch between eye and camera, use light path buttons

OC Panel



Turn Light on and off with Green play button

- Location: upper left of left screen
- Both buttons do the same thing
- Red stop button will turn off light