

Zeiss Imager.Z2 in SB 4 40

Last updated 20210916

To turn on:

- Turn on Nitrogen tank to float table.
- Computer on or log in.
- One power switch on power strip turns on the microscope components.
- Press button back left bottom of microscope.
Wait for touch pad to turn on.
- Zen Blue software.
- If you get a splash screen, click on Zen Pro.
- If asked, Calibrate Stage yes only necessary if you are tiling or using automated positions.
- Click past the demand to move slider to 100% camera position if looking by eye.
- If the light for fluorescence does not turn on, tap this knob:



General use tips:

- Zen expects your work flow from left to right.
Tabs for Locate (looking by eye), Acquisition, Processing.
- In the Locate tab, **DO NOT USE** Set Exposure, Live, Continuous, Snap. Only use camera imaging in the Acquisition tab.
- Recommend opening a file to Re-use methods rather than using the experiment pull down menu in upper right.

To turn off:

- Exit Zen.
- One power strip switch turns off everything except the computer.
- Log out or shut down computer after transferring your files.
- **Turn off Nitrogen tank.**

All files must be stored on Drive D. NO FILES ON DESKTOP, DOCUMENTS, or PICTURES.

Save all raw data in CZI format. We can help you with tools such as <http://microscopynotes.com/imagej/macros/simplefigure/> for ImageJ/Fiji.

Transfer your files to research file server. \\research-cifs.nyumc.org\research
User: nyumc\yourKerberosID
Note that you have to type "nyumc\".

Once you put oil on a slide, the only lenses you may use are 63X, 10X, and 5X.
DO NOT GET OIL ON THE 20X or 40X lenses.

Transmitted light imaging was not covered in the introductory training by Zeiss. Please ask if you would like guidance on proper alignment and channels setup for Nomarski/DIC imaging.

Note the Nomarski/DIC image in the lower left. To collect images such as this, you need to align the transmitted light path for [Köhler illumination](#) and add to the channel menu in Zen.

