**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](http://microscopynotes.com/koehler/index.htm) and add to the channel menu in Zen.   
