**Nikon Ti startup guide**
last updated 16 June 2021

The Nikon Ti has independent light paths depending on the type of imaging.

The first part of the instructions is common for all imaging modes.

**Basic Startup**

* One power strip “Main” on top of computer turns on most of the components.
* If computer already on, log out and log in (use lower left Windows icon).
* If computer off, turn it on, button on top.
* Run Nikon Elements software.
* Choose one camera.
“**Andor Neo/Zyla**" is the most common camera for standard imaging.”
* Macro > Run Macro From File

C:\Program Files\NIS-Elements\Macros\delete all settings.mac

or

F:\Your\_Directory\delete all settings.mac

* Calibration > Optical Configurations (Ctrl N)

Import Optical configurations

F:\Your\_Directory\last\_file\_that\_worked\_well.xml

When using ND Acquisition to take pictures, bit depth, gain, and readout speed should be the same for all channels.

**Shutdown**

* Export a copy of your latest working version to your directory.
Calibration > Optical Configurations (Ctrl N)

Export Optical configurations

* Lower focus manually so lens is not near the stage
* Exit Nikon Elements.
* Copy files to research server.
* If oil lens, clean oil by swiping with taut lens tissue. Single swipe, then clean part of tissue. Do not press down on lens with tissue!
* Clean microscope area. No kimwipes, tips, etc left on tables.
* Log out or turn off computer.
* Main power switch off.