

Nikon Spinning Disk Start Up

Turn On:

1. Log into relay to begin your reservation. (nucore.northwestern.edu)
2. Turn on laser key –lasers will blink until they are warmed up.
3. Turn on both power strips
 - a. One is on the leg on the right of the table
 - b. One is in the back left hand corner of the table.
4. (Optional) If you want CO₂/Heated chamber turn on the power switch on the Tokai chamber. Twist on the CO₂.
5. If you need to swap inserts make sure the MCL silver box sitting behind air table is off (no blue light).
6. Turn on computer.
7. Log into the server by clicking on the connect CAM button on the desktop.
8. Double Click on NIS Elements.
9. Check **ALL** the objective lenses for damage and sign log book.

Turn Off:

1. Log off software.
2. Clean oil off the objectives by using lens paper and sparkle.
3. Check **ALL** the objective lenses for damage and sign log book.
4. Turn off computer though shut down.
5. Turn off Tokai Hit and regulator to the tank if you used these.
6. Turn off both power strips.
7. Turn off laser key.
8. Log off the relay to end your reservation. (nucore.northwestern.edu)

PLEASE BE SURE TO CHECK NUCORE BEFORE SHUTTING DOWN!

PLEASE BE SURE TO TAKE YOUR SAMPLES WITH YOU.

TIPS:

- If you are performing TIRF please make sure that the STORM mirror on the TIRF arm is out. If it is in, please come find a CAM staff member to align the laser beam.
- If you are performing widefield please make sure that the 3D slider is out (this is between the microscope base and the camera on the right hand side).
- To swap between cameras go to Acquire> Select ANDOR> pick one of the two cameras. The camera on the left is used for spinning disk confocal (6686); the camera on the right(6974) is used for TIRF, STORM, and widefield imaging. Once you have selected the right camera for your imaging click okay.