

Andor XDI Start Up/Shut Down

Turn On:

1. Log into relay to begin your reservation.
2. Turn on power strip against wall.
 - a. Wait until you hear a noise from the spinning disk.
3. (Optional) If you want CO₂/Heated chamber turn on the power switch on the left of the Oko touch pad. Twist on the CO₂. The heated chamber is a Tokai which by default is on. You can check this –it is sitting on top of the cabinet with the door.
4. Turn on the black Y switch. Wait 10 seconds
5. Turn on computer.
6. Log into the server by clicking on the connect CAM button on the desktop.
7. Double Click on Metamorph.
8. 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 Y switch.
6. Turn off Oko touch pad and turn off regulator to the tank if you used these.
7. Turn off power strip.

TIPS:

1. If your imaging isn't going well first check that the optical configurations are correct. Click on Devices> Configure Illumination double click on tab for your setting. Compare this to the "master setting". Snapshots of these windows can be found on the desktop in a folder called "optical configurations" in the middle of the desktop. The laser power can vary but all the other boxes should look like those settings. If it is different, change it back and then save the settings.
2. Check that you have selected the right magnification. This is especially important if you are performing FRAP experiments.
3. Here are some calibrations for commonly used settings. Please contact Dina if you need any other information. Please note: follow these numbers over what is found your metadata as it may be incorrect.
 - 20x (through the spinning disk)= ~700nm/pixel
 - 60x (through the spinning disk)= ~232nm/pixel
 - 100x (though the spinning disk) = ~141 nm/pixel
 - 100x TIRF/Widefield (cMOS – right hand side of camera) = ~64 nm/pixel

PLEASE BE SURE TO TURN OFF CO₂ AT THE END OF YOUR SESSION