

Turn On and Turn Off Procedure for UV510 in Building 560

Green numbers correspond to stickers on the equipment

Turn On

- | Step | Sticker | Task |
|------|----------|---|
| 1. | 1 | Turn on the mercury lamp located below the microscope (FluoArc). |
| 2. | 2 | Turn on the two switches on the table labeled “system” and “components.” |
| 3. | 3 | Turn on the computer with the button on the top right front of the computer. Turn the monitors on if needed. |
| 4. | | Log in to Windows. User Name is: clsm5UV. There is no password. |
| 5. | | Now that the computer has started, double click the LSM510 icon (the icon appears in the middle of the left monitor). |
| 6. | | Click on "Scan New Images". |
| 7. | | Click on “Start Expert Mode.” |
| 8. | | After the software starts, click the “Acquire” button on the main menu. |
| 9. | | Click “Laser” button. |
| 10. | | Turn Argon/2 laser on by pressing “standby.” Wait for the status to change from “warming up” to “ready.” While waiting for laser to warm up turn other lasers on. Only turn on the lasers that you are going to be using. |
| 11. | | Turn 405 laser on by clicking “standby,” then wait for status to say “ready” before clicking “on.” The 405 laser takes less time to warm up than the Argon/2. Only turn on the lasers that you are going to be using. |
| 12. | | By now, the Argon/2 laser should read “ready.” Click “on” and turn power up to 50%. |
| 13. | | Turn on the 561 and 633 lasers by clicking the "On" button. Only turn on the lasers that you are going to be using. |
| 14. | | Clean all objectives with Sparkle and lens paper. Oil sometimes gets on dry lenses and affects the image. |

Note: Never change from an oil to dry objective without first removing sample and cleaning oil from both objective and sample.

Turn Off

Step Sticker Task

1. Wipe oil off of objective lenses with lens paper. Also wipe oil off the slide holder. Make sure to pay attention to the bottom of the slide holder.
2. Close all windows except the “laser control” window and the main control panel with large buttons.
3. Turn off the argon/2 laser by reducing power to 25%, pressing “standby” and then clicking “off.”
4. Turn other lasers off by clicking “off.”
5. Close laser control window.
6. On main menu, go to the small “file” button above the big “file” button. Select “exit.”
7. Click “OK” in the laser cooling warning window.
8. Move your data to the OMAL server.
9. Sign the User log.
10. **2** Go to “start” in the bottom left monitor and select “shutdown” and the click “OK.” Leave monitors on. After the computer has finished shutting down, turn off the two switches on the table labeled “system” and “components.”
11. **1** Turn off the mercury lamp labeled FluoArc (below the microscope).