

## How to turn on/off Zeiss 710 MP in Microscopy Core

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### How To Turn On System

1. Make sure you are scheduled in iLab.
2. Main switch **A**. (*Do Not* touch the key.)
3. Switch **B**.
4. Switch **C**.
5. Optional: Turn on environmental chamber and insert. On Zeiss touchscreen panel:
  - \* Settings > Incubation
  - \* H Dev
  - \* optional H Insert P
  - \* All doors/panels closed on incubator box. Have all stage inserts, oil, etc in incubator to be at proper temperature.

*To minimize focus drift, this chamber should be on for two hours before you start imaging.*
6. Optional: If you need laser light at 458, 488, or 514 nm:
  - \* Make sure the little metal switch on the laser control box is down.
  - \* Turn the power knob all the way counter clockwise (to approx 7:00).
  - \* The black switch on the power supply needs to be on.
  - \* Turn key clockwise.
7. If computer is not already on,
  - Power strip for computer.
  - Power button on front of computer (under table).
8. Log in as LSM 710 User.
9. Run Zen software (icon should be at center of screen).
10. Click "Start System."
11. Optional: If you are using the Multi Photon, turn on the MaiTai laser in the laser panel of the Zen software. This laser takes approximately 10 minutes to turn on. The window will not say "On" until the laser is ready.

## Shutdown

1. Check the schedule. If somebody will use after you, leave system on.
2. Save all your data. Copy off system to server, USB key, or external drive.
3. If Ar laser is on,
  - \* Make sure the little metal switch on the laser control box is down.
  - \* Turn the power knob all the way counter clockwise (to approx 7:00).
  - \* Turn key on power supply counterclockwise to off.
  - \* *Leave the black power switch ON!*
4. If MaiTai laser is on *AND* the next user is not using it, set it to "off" in the Zen software laser window.
5. If environmental chamber on, turn off.
6. Quit software.
7. Switches C, B, and A.
8. Log out of computer account. The computer may be left on.
9. Clean up.
10. Adjust iLab booking if need to.