

Always have the door of the microscope room closed!

1. Turn ON - the System

- **Cover all components with the plastic wrap according to the laid-out instructions!!!**
- Turn on the **Fluorescence light source #1** (shutter button has to be pressed)
- **PC Microscope Switch #2,**
- **Scanner Power #3**
- **Laser Power #4 and Keyswitch #5 for Laser Safety - set to position ON**
 - **Incubation:** If you want to use the incubator,
 - **Turn** on the cube on the shelf.
 - If you also want to use **CO2**, connect the stage insert and adjust the red regulator
 - **STED Laser:** If you want to use the STED Laser
 - **Press black button #6** on the laser box,
 - **Wait** until the LED #7 will shine green then orange and again green
 - Only then **turn the key #8** to the **ON** Position
- White light Laser box will start automatically with system start
- **Login** with your **LIC User account**
- **Start LASX software (icon on screen)**, configuration type: machine and microscope type: DMI 6000
- **Open the "Configuration" tab, turn on laser (WL to 70%), load your IPS - load and default settings**
- For fast live cell imaging **check box for resonant scanner or for STED check STED box, otherwise make sure nothing is checked for normal confocal use**

2. TURN Off - the System

- **Clean** any oil/glycerin/water objective you used: Suck off fluid with grey Kleenex box tissue, clean objective cautiously with cotton swab using the waterfree ETOH.
- **Finish filling out** the log sheet, **Save your data** in your **personal folder**, **No saving on your desktop!**

If someone is scheduled within the next 2 hours - check the booking in the LIC Booking Calendar

- Open the **"Configuration" tab, turn OFF only lasers that won't be used by the next person** – If you used STED – **turn always off the STED laser first**
 - **turn the STED Laser key #8 to the OFF Position and press black button #6 on the STED laser box**
- **Exit LASX software.** Close all open windows
- **Log OFF your USER Profile**, but **do not turn the computer off.**
- Leave everything on (PC, scanner, lasers, fluorescence source...).

If you are the last person of the day or nobody is using the system for at least 2 hours – check the booking in the LIC Booking Calendar

- Open the **"Configuration" tab, set all Lasers to the OFF position** – If you used STED – **turn always off the STED laser first**
 - Turn the **STED Laser key #8 to the OFF Position and press black button #6 on the STED laser box**
- Turn the **"Laser Safety" key #5 to the OFF position**
- **Exit LASX software – Shut down Windows**
- Shut off **Fluorescence light source #1**
- **PC / Microscope Switch #3**
- **Scanner Power Switch #2**
- **Wait at least 10 minutes for the Ar laser cooling fan to turn off** (if you have used AR), now turn off **LASER Power Switch. #4**

3. End off using the microscope room and leaving the LIC Area

- Remove all your waste as samples, slides, cover slips or paper, throw it in the appropriate waste bin, **Disinfect your hands with 70% ETOH still having the gloves on!**
- **Remove the plastic wrap from all components (waste) – again disinfect the hands/gloves!**
- Use kitchen tissue with **70% ETOH** to clean focus knobs, table and other surfaces, joystick...
- **Leave the Microscope Room, always close the door!**
- **Last step** at the main exit of the LIC: **Take off your lab coat**, leave it in the coat bin, **take off your face mask** (throw **one way masks in the provided bin**), **take off your gloves** (throw into trash bin), and **use the hand disinfectant or wash hands**. Main exit door stays open!