



The really quick guide to the Zeiss 510 confocal

ON

Arc lamp (if required), remote control switch, computer

Scan new images + expert mode

Microscope

- Slider in for VIS mode
- Choose objective
- HAL = transmitted light
- RL = fluorescence, choose colour with button on the back left or using the *micro* button
- When focused . . .

Software

Laser – Turn on only the lasers you need, Argon to 40%

Config – Choose *single-track* or *multi-track*, then load the config for your sample

Scan – The main dialog box for acquisition

Adjust laser power, pinhole, press *find* to give you a starting image

Press *Fast XY*, adjust the focus and then *gain* and *offset* (range indicator pallet helps here)

Set the averaging under the *mode tab* and press *Single* to capture your final images

Saving images

- Create or select a database
- Click *save* on the image and name

OFF

Remove sample and clean any water objectives you used

Check the on-line reservation schedule to see if/when the next reservation is scheduled:

If someone else is scheduled within 2 hours...

- Put the Argon laser into standby and turn off any lasers that won't be used by the next person, leaving on the ones indicated on the booking calendar
- Exit the software, *Log Off* and sign the logbook

If you are the last scheduled session of the day or for more than 2 hours...

- Turn off all the lasers in the *Acquire>laser* box and exit the software
- *Shut down* the computer
- Turn off remote control switch then arc lamp, and sign the logbook