



# Spinning Disk Confocal Condensed User Guide

## Turn on Sequence

1. Turn on computer.
2. Turn on laser power strip.
3. Turn on microscope power strip.
4. Turn on Olympus Touch Screen.
5. Turn on X-cite illuminator (only if you require widefield fluorescence (eyepieces) to focus).
6. Turn on heating and/or gas (if applicable).
7. Log in to computer using NetID and password.
8. Start Metamorph Premier after Touch Screen is initialized. Wait for Taskbar to load.

*If the taskbar is missing, select Journal > Taskbars > Load Taskbar > Standard.JTB*

## Turn off Sequence

1. Remove sample and clean off objective.
2. Turn off heating and/or gas (if applicable)
3. Move files to fileshare.
4. Close Metamorph Premier.
5. Logoff Windows and/or shut down.
6. Turn off Olympus Touch Screen.
7. Turn off X-cite illuminator (if on).
8. Turn off microscope power strip.
9. Turn off laser power strip.

## Standard Objective Specifications

Mag	NA	Immersion medium	Coverslip thickness (mm)	WD (mm)	Objective Type	Color Band
10x	0.4	Air/Dry	0.17	3.1	USPLSAPO10X2	Yellow
20x	0.7	Air/Dry	0-0.16	0.7	UCPLFL20X	Green
40x	0.95	Air/Dry	0.11-0.23	0.18	USPLSAPO40X2	Blue
30x	1.05	Silicone oil	0.13-0.19	0.8	USPLSAPO30X2	Red + Green
60x	1.3	Silicone oil	0.15-0.19	0.3	USPLSAPO60X2	Red + Blue
100x	1.4	oil	0.17	0.2	UPLANFL	White

Silicone oil has an index of refraction matched to tissue (1.406, between water and oil).

Please **do not** mix standard oil (blue bottle) with silicone oil (green bottle)!