LEICA STELLARIS 5 LIAchroic
INSTRUMENT SPECIFICATION SHEET

Location	Room 309, Level 3, Clinical Sciences Building 631					
Stand	DMi8 CS Premium (Inverted Microscope)					
Illumination	**Transmitted**		**Fluorescence**			
	LED		LED3 (390-680 nm)			
Filters	**Name**	**Excitation**	**Dichroic**	**Emission**		
	LED 405	405/60	455	470/40	15525338	
	FITC	490/20	505	525/20	15525307	
	TXR	560/40	585	630/75	15525310	
Lasers	**Type**		**Wavelength**		**Maximum output**	
	DMOD		405nm		50mW	
	Solid state		488nm		20mW	
	Solid state		561nm		20mW	
	Solid state		638nm		30mW	
Stage control	Motorised XY stage control with z-stack, tile scan and point visiting capability					
Objectives Specification	**Magnification**	**Type**	**NA**	**Working distance**	**Coverslip Thickness**	**Resolution at 550nm**
HC Plan-Fluotar 15506522	10x	Air	0.32	11.13mm	0.17 (#1.5)	lateral: 688nm axial: 1637nm
HC Plan-Apochromat 15506517	20x	Air	0.75	0.62mm	0.17 (#1.5)	lateral:293nm axial:698nm
HC Fluotar 15506375	25x	Water	0.95	2.4mm	0.17 (#1.5)	lateral:232nm axial:551nm
HC Plan-Apochromat 15506346	63x	Water	1.2	0.30mm	0.17 (#1.5)	lateral:183nm axial:437nm
HC Plan-Apochromat 15506350	63x	Oil	1.4	0.14mm	0.17 (#1.5)	lateral:157nm axial:374nm
Detectors	**#**	**Type**	**Details**			
	3	Power HyD S	Silicon based Multi-Pixel Photon Counter (MPPC) detectors			
	1	BF detector	Transmitted light detector			
Software	LAS X 4.5					
Holder	Specimen holder for 4 slides, live cell holder for chamber slide, petri-dish and plates					
Applications	Fixed and Live cell imaging (Okolab incubator for temperature & CO2 control)					
File Saving	.lif file save to computer hard drive, then upload via Mediaflux					