

Nikon Confocal C2

		Brightfield/DIC/Pol		Objectives					Fluorescence									
		Light source	Cube filter	Type	NA	Pixel size with Camera(um/pix): Photometrics Evolve 512x512, 10MHz, EMCCD. With zoom 1x/1.5x	Confocal: 64x64, 128x128, 256x256, 512x512, 1024x1024 or 20148x2048 FullFrame/Nyquist (=zoom)			Epifluorescence					Laser scanning Confocal with 3 PMTs			
							512	1024	2048	Light source	Fluorescence Cube filter	Excitation λ (peak/Full Width at ½ max)	dichroic beamsplitter	Emission λ (peak/Full Width at ½ max)	Excitation		Emission filters	
Eclipse Ti-E inverted microscope	motorized stage and NIDAQ piezo	Ti-DH Dia pillar illuminator 100W. Halogen lamp 12V-100L.L	#6-Analyzer	CFI 4x Plan Apo lambda; DRY; WD 20mm	0.2	4/2.66	6.21/0.66	3.11/0.66	1.55/0.66	To use with lasers from Lu4A	#1-Empty				405nm	Dichroic: 405/488/561/640	dichroic 482nm	447/60
				CFI PLAN APO Lambda 20; DRY	0.75	0.8/0.53				Mercury	#2-DAPI	360/40	BS 400DCLP	EM D460/50M	488nm		dichroic 560nm	525/561LP
				CFI APO TIRF 60x oil	1.49	0.26/0.18	/0.1	0.21/0.1	0.10/0.10	Mercury	#1TIRF 488	480/40		520/75	561nm		dichroic 561LP	
				CFI Apo TIRF 100x oil	1.49	0.16/0.11	0.25/0.10	0.12/0.1	0.06/0.1	Mercury	#2-TIRF 561	560/40		630/75	639nm			
									Mercury	#5-Cy5	625-650		670					