

## Zeiss LSM 700 Inverted Confocal Microscope

<b>Specification</b>	
Lasers	Solid state lasers: 405nm (5mW); 488nm (10mW); 555nm (10mW); 639nm (5mW)
<b>Microscope</b>	
Stand	Inverted: Axio Observer
XY stage	Manual stage 130x85 R/L
Filter cubes	#49 DAPI; #43 Cy3; #38 EGFP;
Objectives	5x 0.16; 10x 0.3 Ph1; 20x 0.5; 20x0.8 Ph2; 40x1.4 Oil DIC; 63x1.4 Oil Ph3
<b>Scan Module</b>	
Scan mode	xy, xyz, xz, xt, xyt, lambda
Scanning speed	2 frames/sec with 512 × 512 pixels
Detector	2 reflection PMTs; 1 transmitted light PMT
Software	Windows 7 Enterprise, ZEN 2010
<b>Application</b>	Phase contrast imaging; multi-spectrum fluorescence imaging; spot//line Scan, XY 2D image; Z-stack 3D imaging; colocalization; time series