

## Leica TCS SPE-II DM5500 RGB

### Location

Campus Biotech - B303 Room 191.116

### Microscope

Leica TCS SPE-II upright

### Objectives

Magnification	NA	Immersion	WD (mm)
5X	0.15	dry	13.7
10X	0.30	dry	11
20X	0.70	dry	0.6
40X	0.75	oil	SN 506251

### Filter cubes

Fluorophore	Filter	Excitation	Mirror	Emission
Dapi	A4	BP 360/40	400	BP 470/40
Alexa-488	I3	BP 450-490	510	LP 515
GFP	GFP	BP 470/40	500	BP 525/50
Cy3	TX2	BP 560/40	595	BP 645/75

### Illumination

488 nm, 532nm, 635nm lasers;

HXP Mercury short-arc lamps

### Scanners

10 - 1400 Hz

### Stage

Motorized

### Detection

1 PMT

Camera	DFC 360 FX
Type	Monochrome CCD
Dynamical range	12 bit
Pixel size	6.45 $\mu$ m
Full frame size	1392 x 1040
Frame rate	10 fps full frame

### Software

Las-X

### Application

Confocal fluorescence microscopy