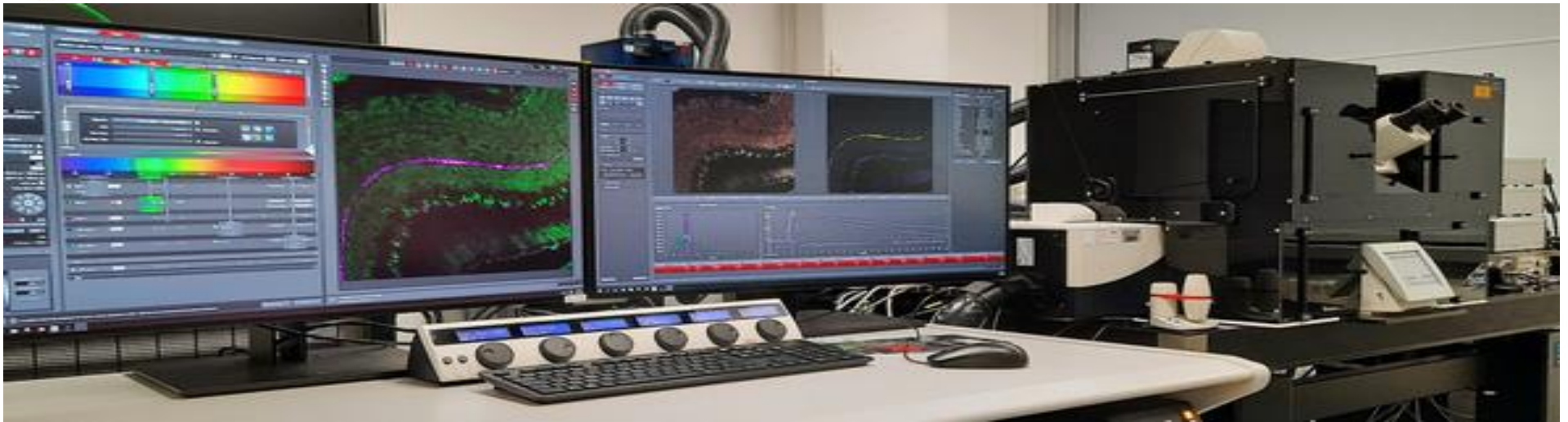




SP8 MP FALCON DIVE with photo-stimulation (Leica, RAPP Opto)



The instrument is suitable for single and two photon excited laser scanning confocal microscopy, fast fluorescence lifetime imaging microscopy (FLIM), 2p ablation and simultaneous photo-stimulation. It offers full spectral detection, gating (e.g. for autofluorescence removal), deep tissue imaging and high speed scanning (resonant scanner).

Location	BIOTEC, 2nd floor, LMF CMCB, room 225
Objectives	<ul style="list-style-type: none">10x/1.4 HC PL APO CS 2, Air, Leica16x/0.6 HC FLUOTAR L, W / Si / Glyc / Oil, Leica20x/0.75 HC PL APO CS 2, W / Si / Glyc / Oil, Leica25x/0.95 HC FLUOTAR L, Water, Leica40x/1.1 HC PL IRAPO, Water, Leica63x/1.2 HC PL APO CS 2, Water, Leica63x/1.3 HC PL APO CS 2, Oil, Leica
Transmitted Illumination	LED (LED)
Fluorescence Illumination	<ul style="list-style-type: none">HXP 120C405nm pulsedpulsed White Light Laser (WLL) - 470-670 nmtunable 680 - 1300 nm, fixed 1045 nm
XY Stage	motorized stage
Scan Head	<p>SP8 conventional+resonant scanner speed 8 kHz</p> <p>Internal detectors:</p> <ul style="list-style-type: none">1 spectral detection PMT2 spectral detection HyD (gated)2 spectral detection SMD (HyD)T-PMT <p>External detectors:</p> <ul style="list-style-type: none">4 Tune 4-channel HyD RLD
Extra Photo Manipulation	<p>Scanner RAPP UGA42 Firefly</p> <p>Photo Manipulation light source:</p> <ul style="list-style-type: none">Laser Diode 405nm, 100mWLaser Diode 488nm, 100mWLaser Diode 561nm, 100mWLaser Diode 640nm, 100mW