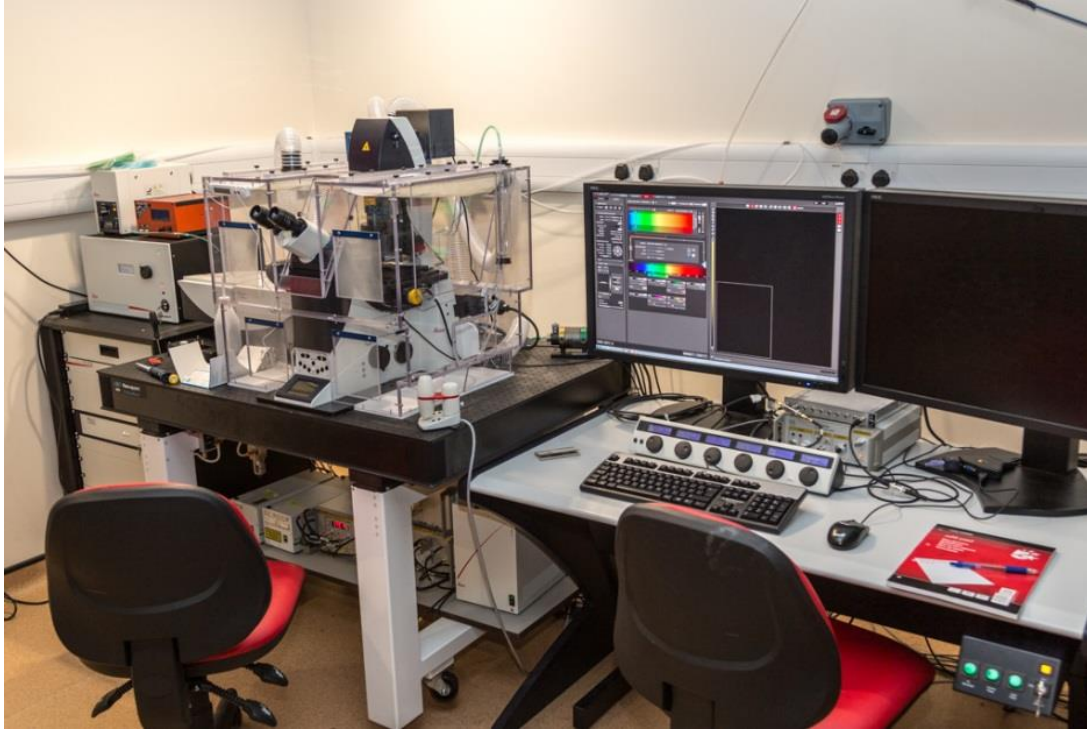


Leica SP8X / Confocal Microscope - Inverted Microscope



GENERAL SPECIFICATIONS:

- Leica DMI 6000 CS with Auto Focus
- Freely selectable ROI for laser scanning, bleaching and photo-activation
- Scan speeds of up to 7 frames/second with 512 x 512 pixels.
- Resonant scanner (8 kHz) with scan speed of up to 28 frames/sec with 512 x 512 pixels.
- xyz, xzy, xyzt, xzyt, lambda (both Emission and Excitation), line scan and spot scan modes
- Transmitted light brightfield and incident light fluorescence using metal halide HXP light source (Filter sets for DAPI/GFP/dsRed)
- Picoquant SMD Upgrade for FCS and FLIM (PicoHarp 300)
- gated STED with 592, 660 and 775 nm laser

MICROSCOPE OBJECTIVES:

- HC PL Fluotar 10x 0.30 NA Dry
- HC PL APO 20x 0.75NA Imm
- HC PL APO 63x 1.20 NA W with Motorized Correction Collar

- HC PL APO 63x 1.40 NA Oil
- HC PL APO 93X/1.30 GLYC motCORR
- HCX PL APO 100x 1.40 NA Oil (STED Objective)

ILLUMINATION :

- Diode 405nm
- Argon multiline 458/476/488/496/514nm (25 mW)
- Tuneable (470-670 nm), Pulsed White Laser (Pulse Picker for Operation at 80, 40, 20, and 10 MHz or Manual mode)
- 440 nm Pulsed Laser (40 MHz)
- 592 nm STED Laser
- 660 nm STED Laser
- 775 nm STED Laser

DETECTORS:

- Descanned Detectors (Internal) 2 x GaAsP plus 2 standard PMT detectors
- 1 GaAsP HyD detector with SMD capability
- Descanned Detectors (External): 2 SPADs

ENVIRONMENT CONTROL:

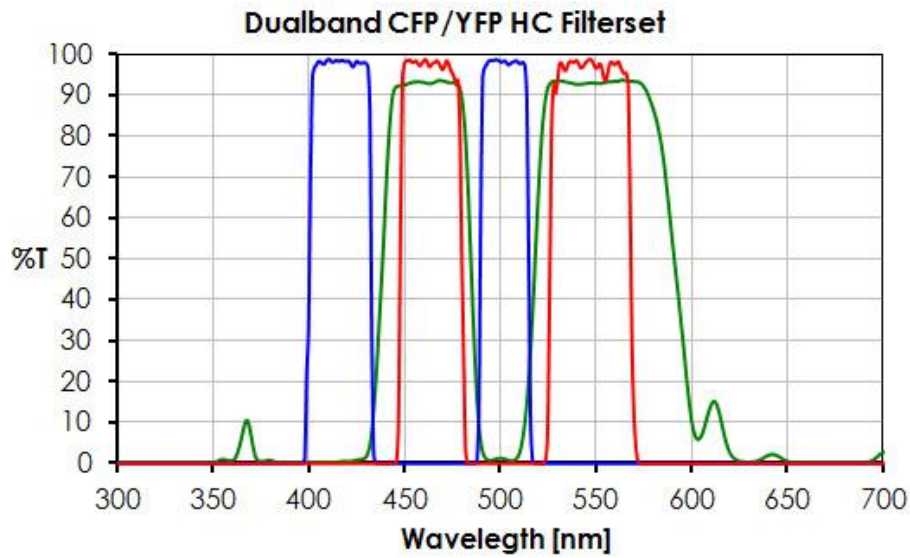
- Incubator chamber with temperature and CO₂ control

SOFTWARE:

- Leica LAS AF with TCS SP8, FRAP, FRAP XT, FRET AB, FRET SE, FCS and FLIM modules

WIDEFIELD FILTER SETS:

1. I3 (Blue): Ex: BP450-490, DM: 510, Em: LP515
2. N2.1 (Green): Ex: BP515-560, DM: 580, Em: LP590
3. A (UV): Ex: BP340-380, DM: 400, Em: LP 425
4. CFP/YFP (AHF F56-416):
Ex: HC Dualband Filter 416/501
DM: HC Dualband Beamsplitter 440/520
Em: HC Dualband Filter 464/547



EXTERNAL SMD FILTER SETS:

1. SMD Filter Cube Alexa 488/ Alexa633
 - Em 1: BP 500-550,
 - DM: BS 620,
 - Em 2: BP 647-703
2. SMD Filter Cube GFPwide/RFP
 - Em 1: BP 500-550,
 - DM: BS 560,
 - Em 2: BP 607-683
3. SMD Filter Cube CFP 440/30
 - Em 1: BP 459-501,
 - DM: BS 560,
 - Em 2: BP 581-654
4. SMD Filter Cube POL Split 440-650
5. SMD Filter Cube 50/50 Beam Splitter
6. SMD Filter Cube (Empty)