

## Leica Stellaris 8 Falcon FLIM microscope



### Instrument specifications

- FALCON: FLIM image acquisition, processing and analysis
- Objectives:
  - HC PL FLUOTAR 5x/0.15
  - HC PL APO 10x/0.40 CS2
  - HC FLUOTAR L 25x/0.95
  - HC PL APO 63x/1.20
  - HC PL APO 63x/1.40 OIL CS2
- Excitation:
  - White light laser (440 – 790 nm), up to 8 freely tunable laser lines
  - 405 nm
  - 488 nm
- Detectors:
  - pos 2: HyD S > 58% @ 500 nm, 410 – 850 nm, analog and counting
  - pos 3: HyD S > 58% @ 500 nm, 410 – 850 nm, analog and counting
  - pos 4: HyD X > 46% @ 500 nm, 410-750 nm, digital and counting
  - pos 5: HyD R > 26% @ 635 nm, 410-830 nm, digital and counting (enhanced detection efficiency in NIR)
- Spectral Detection: 410 – 850 nm, fully tunable emission bands
- Galvano and 8kHz Resonant scanner
- sample holders:
  - universal insert (standard Ibidi or glass slides, 35 mm dishes (glass bottom))
- DM6 CS body with:
  - auto focus correction (AFC)
  - automated scanning stage
  - filtercubes for epifluorescence observation (LED 405, GFP ET, TXR ET)
- LAS X STELLARIS Control Software with 3D visualisation and navigator
- Lightning (for deconvolution) an DSE Dynamic Signal Enhancement (rolling averaging for fast acquisition)