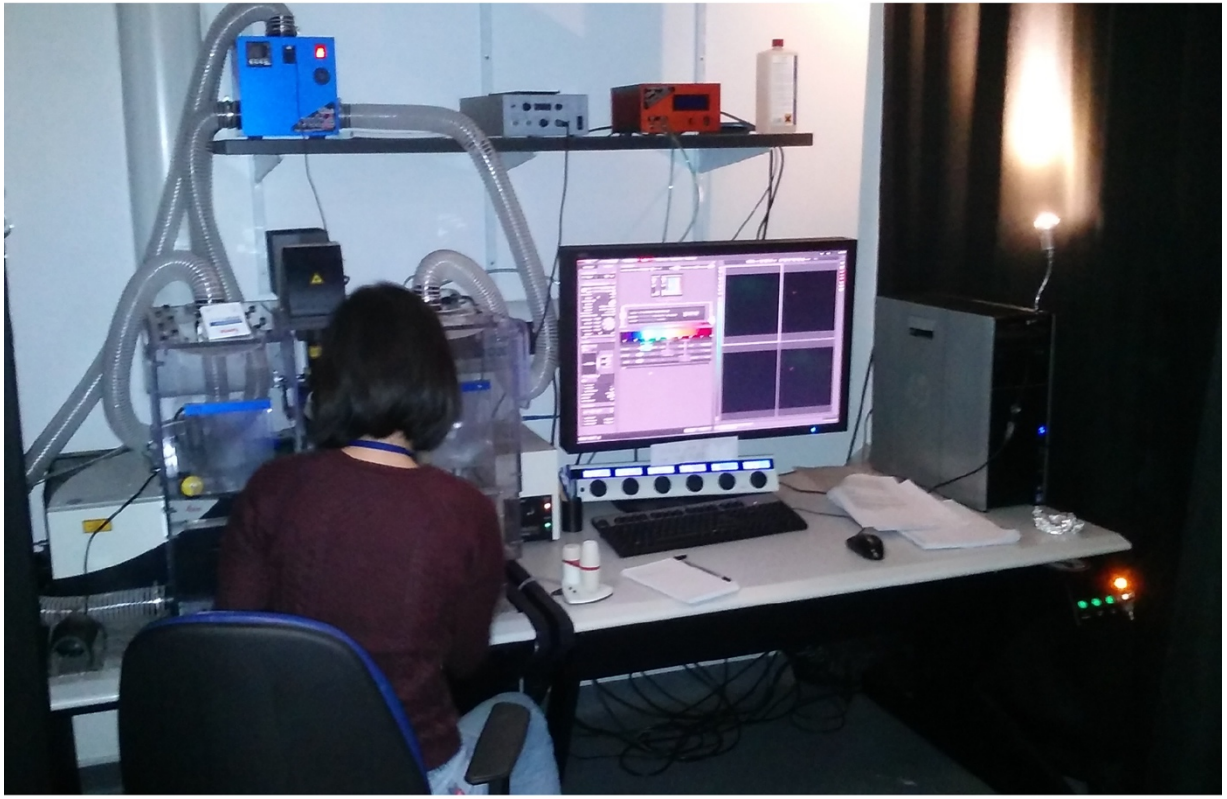
Leica SP8 confocal mounted on Leica DMi6000 microscope

A confocal microscope with an environmental chamber attached to control the gas composition and temperature around your sample it is therefore ideal to document pharmacological treatments. The confocal can detect four fluorescent and transmitted light simultaneously. Stage is fully automated in XYZ direction making it possible to collect image data with higher magnification but wider field of view. Separate fields will be stitched together resulting in a field of view as obtained with a 10x objective but with the resolution of a 63x objective.



- For fixed or live samples.
- Equipped with epifluorescence and transmitted light
- Equipped with fully automated XYZ-stage for fully automated image collection
- Equipped with time lapse collection
- Four detectors of which one is a HyD detector which can be used for photon counting
- FRET (Fluorescence Resonance Energy Transmission): detect binding of molecules in living samples
- FRAP (Fluorescence Recovery After Photobleaching): follow movement of fluorescent molecules in living samples
- Stitching: Obtain wider view of samples with high resolution
- Highest magnification 630x