

Leica DM6b microscope with Lumenera camera and MBF software

A specialized microscope designed to analyse the effects of and pharmacological treatments for neurodegenerative diseases such as Parkinson and Dementia. The microscope is driven by StereoInvestigator, a MBF software, which allows automated cell counting and tracing of neuronal connections.

- For fixed samples.
- Equipped with Epifluorescence and transmitted light
- Different contrast methods (Differential interference contrast, Polarisation) enable better resolution of small subcellular structures
- Equipped with motorized Z-stage to collect different virtual slices/ Z-levels through thick samples. After deconvolution collected Z-levels can be 3D reconstructed
- One camera which can be switched between normal RGB mode (colour images) and cooled mode (collecting weak fluorescent signals)
- Highest magnification 630x

