CALCIUM IMAGING SYSTEM

LEICA DMI6000

**Location:** CSB L10 Support Room 2

**Applications:** Suitable for Ca-imaging in islets and islet cells, electrophysiology of islets and islet cells, live cell/fixed cell imaging

**Specifications:**
- Inverted microscope (Leica DMI6000) with motorised stage, filter turret, nosepiece
- Assorted objective lenses from 5x to 100x
- Assorted filter cubes (15) that cover entire visible spectrum, including FURA2, CFP/YFP and NADH
- DG4PLUS-OF30 light source for fast filter switching
- Dual-channel patch-clamp amplifier; motorised Micromanipulator MP285R
- Cube & Box temperature control system
- Perfusion valve 8-channel control system with perfusion manifolds; peristaltic digital pump
- Software autofocus for longterm imaging
- Photometrics Evolve 512 Delta backilluminated EMCCD camera for fluorescence imaging; Leica DFC450C digital camera for H&E imaging
- MetaMorph Control Software

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Latest as of 1 June 2020