

# Fully Automated Upright Fluorescence Microscope

## Description

Leica DM6000B ([More details](#))

## Location

Rm510A, Biotech Centre 1

## Features

### ***Imaging options***

- Supports bright field, phase contrast, and fully automated Differential Interference Contrast (DIC)
- Available fluorescence filter cubes: TRITC, FITC/GFP, DAPI
- High speed and low noise CCD monochrome camera (5.5 mega pixels)
- High resolution and high sensitivity CCD color camera (4 mega pixels)

### ***Fluorescence Intensity Manager (FIM)***

- Provides fast, accurate and reproducible regulation of excitation light to protect specimen from photo bleaching
- Light intensity can be reduced in four fixed steps by a press of the button

### ***External Leica STP6000 SmartTouch Panel***

- Offers focus wheel for fine and coarse adjustment
- Control for x, y stage movement
- Eleven programmable function buttons
- Touch panel with information and control panels

### ***Leica Application Suite***

- Integrates the control of the camera and microscope as well as data and digital image analysis into one common software environment

## Applications

- Fluorescence signal quantification for fixed cell and tissue
- Widefield ions signaling imaging with channel indicators
- Immunofluorescence
- FISH
- Live cell imaging

## Contact

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