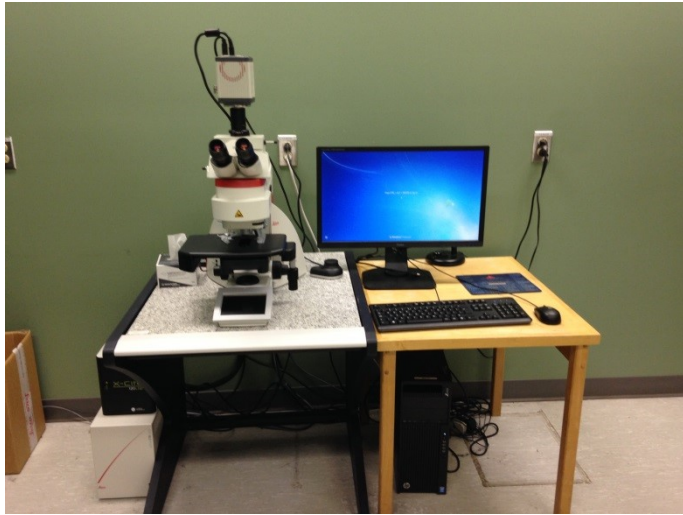


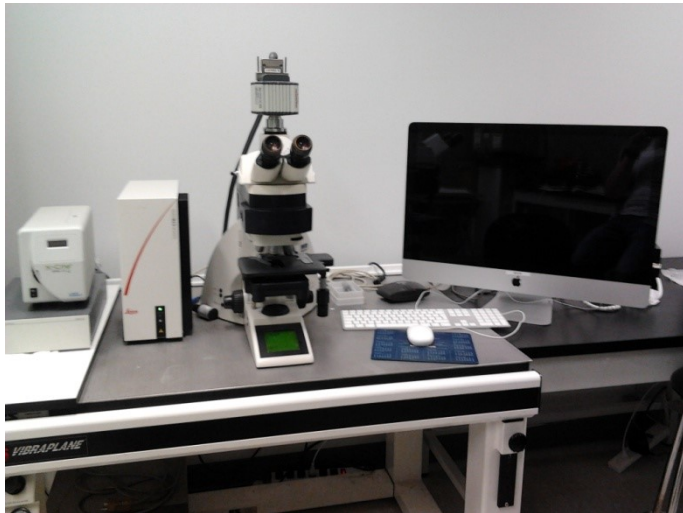
Instrumentation available in the Microscopy Core Facility

Fluorescence Epi Microscopy



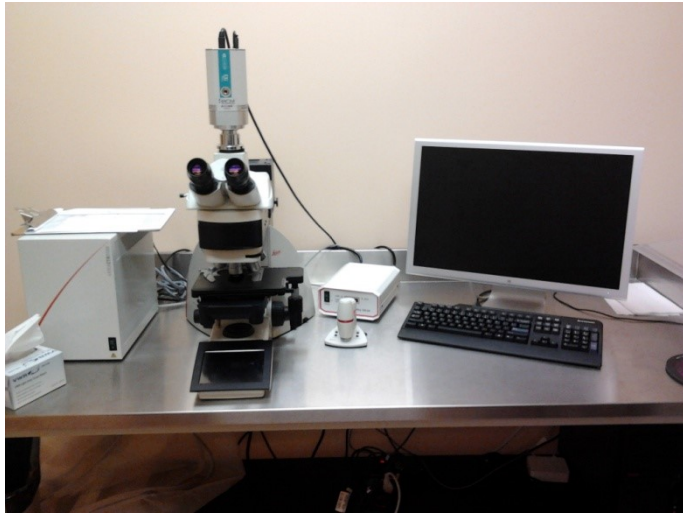
DM6

The DM6 microscope of the LEICA company is a straight microscope equipped with a motorized XYZ stage allowing the acquisition of mosaic images. A full LAS X software license allows you to use a multitude of functions. Two cameras are installed on this microscope. The first camera, the ORCAflash 4.0 V.2 from Hamamatsu, a high resolution monochromatic camera (2048 x 2048 pixels of 6.5 x 6.5 μm) allows the acquisition of images of fluorescent probes. This system is equipped with 6 filter cubes (Dapi, CFP, YFP, GFP, Cy3 and Cy5) whose light source is of LED type, model X-Cite of the company Lumen Dynamics. The second camera, DFC480 from Leica, allows the acquisition of colour images.



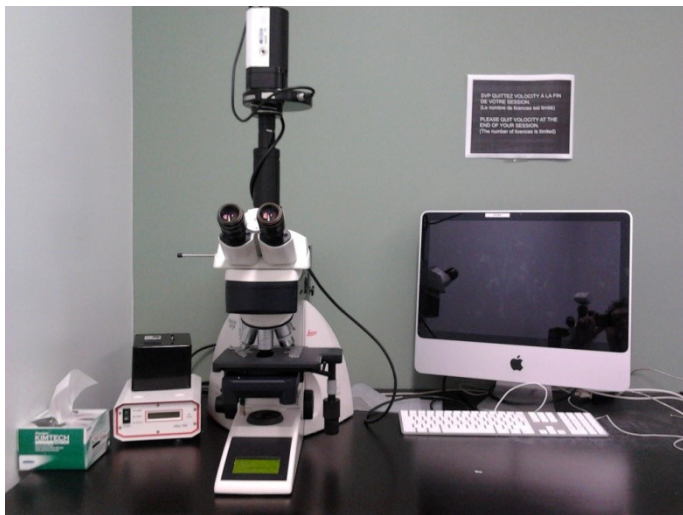
DM6000

The DM6000 microscope from LEICA is a straight microscope equipped with an ORCA-ER C-4742 camera from Hamamatsu, a monochromatic camera, with a resolution of 1344 x 1048 pixels allows the acquisition of images from fluorescent probes. This system is equipped with 6 filter cubes (Dapi, CFP, YFP, GFP, Cy3 and Cy5) whose light source is of LED type, model X-Cite 120LED Boost of the Excelitas company.



DM5500B

The DM5500B microscope from the LEICA company is a straight microscope equipped with a Retiga EXi camera, a monochromatic camera, with a resolution of 1344 x 1048 pixels allows the acquisition of images from fluorescent probes. This system is equipped with 4 filter cubes (Dapi, GFP, Cy3 and Cy5) whose light source is HBO type with mercury short arc.



DM4000

The DM4000 microscope from the LEICA company is a straight microscope equipped with a Retiga EXi camera, a monochromatic camera, with a resolution of 1344 x 1048 pixels allows the acquisition of images from fluorescent probes. This system is equipped with 6 filter cubes (Dapi, CFP, YFP, GFP, Cy3 and Cy5) whose light source is of LED type, model X-Cite 120LED Boost of the Excelitas company.



DMRB

The DMRB microscope from the LEICA company is a straight microscope equipped with a Retiga EXi camera, a monochromatic camera, with a resolution of 1344 x 1048 pixels allows the acquisition of images from fluorescent probes. This system is equipped with 4 filter cubes (Dapi, GFP, Cy3 and Cy5) whose light source is HBO type with mercury short arc.