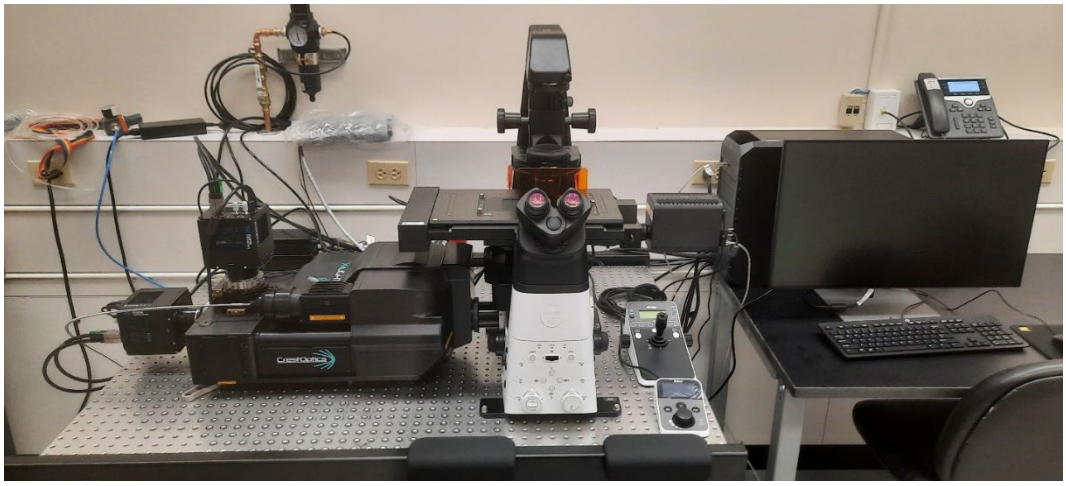
Specification & Optical Configuration

Inverted Nikon Eclipse Ti2-E Spinning Disc Confocal Microscope



Nikon Eclipse Ti2-E inverted spinning disc microscope

What is it?
This inverted microscope is equipped with the CrestX-Light V3 spinning disc with dual camera and a 25mm large FOV. This system is ideal for *intravital* imaging of live tissues such as the liver, spleen and the intestine, but also fast *in vitro* live cell imaging. The microscope is also equipped with a heated stage insert for intravital imaging and a CO_2 incubator and humidity control for in vitro live cell imaging.

Where is it?
Pavilion F, Room-329

Objectives
Air objective: Plan Apo 10x/0.45 NA, 4mm working distance
Air objective: Plan Apo 20x/0.8 NA, 0.8mm working distance

Camera
2 Photometrix KINETIX 10MP CMOS CAMERA 3200X3200, 29 mm Field of View, high resolution 6.5um pixel 10Megapixels, and high speed 83 frames per second at 16bit and full field of view, 95% Quantum efficiency.

Lasers
It has 7 laser lines: (408nm), (445nm), (473nm), (518nm), (545nm), (635nm) and (750nm) for 7 color imaging.

Emission filter set
C-FL QUAD D/F/T/CY5 LED FILTER SET