

Analysis Computer Green (ANS)

INSTRUMENT SPECIFICATION SHEET



BIOLOGICAL
OPTICAL
MICROSCOPY
PLATFORM

Location	N803, Medical building, University of Melbourne
Booking	https://unimelb.ilab.agilent.com/schedules/359342#/schedule/
Base	Dell Precision 7820 Tower XCO Base
Operating System	Windows 10 Professional for Workstation 64 bit
Memory	256GB 8x32GB DDR4 2933MHz RDIMM ECC Memory 1
Monitor	Dell U2412M 24"
Video Card	NVIDIA RTX A5000, 24 GB, 4 DP
Hard Drive	* 2.5inch 512 GB SATA Solid State Drive (SSD) * 3 x 1TB 3.5inch Serial ATA (7,200 Rpm) Hard Drive
Processor	Intel Xeon Gold 5222 3.8GHz, (3.9GHz Turbo, 4C,16.5MB Cache, DDR4-2933 1st & 2nd)
Software	See next page

Software	Version	License / Comments
CellProfiler	4.2.1	2D batch processing and analysis
FIJI	ImageJ 1.53c	Free
Huygens Pro	21.04	Image deconvolution software
Ilastik	1.3.3	Free / Deep learning for segmentation of fluorescent or brightfield
Imaris	9.5.1	Licensed (Floated) Modules: Track, Filament, Coloc, Vantage, Cell, Batch, XT
Imaris Stitcher	9.2.1	Stitching tiles
QuPath	0.3.1	Free to use pathology and slide scanner analysis
Volocity	6.3	Charged floating license (book in iLab) / Image processing
Zeiss Zen Blue	2.3	Licensed (fixed dongle)
NIS-Elements	4.51.0	Nikon file image viewer