

Instrument model (brand and full name)	Type
The University of Sydney	
Australian Centre for Microscopy & Microanalysis	
Imago Local Electron Atom Probe	LEAP
Imago Wide-Field-of-view Laser Atom Probe	LEAP
JEOL 3000F	TEM
JEOL 2200FS	TEM
JEOL 2100	TEM
JEOL 1400	TEM
Philips CM12	TEM
Philips CM120 Biofilter	TEM
Fisons VGSTEM HB601	STEM
Zeiss Auriga Cross Beam	FIB/SEM
Hitachi S-4500	FESEM
FEI Quanta 200 3D DualBeam FIB	FIB/SEM
Philips XL 30 CP	SEM
Zeiss UltraPlus	FESEM
Zeiss EVO-50 (Quemscan)	SEM
Leica TCS SP11 Multi-photon	Confocal
Olympus FluoView FV1000	Confocal
Olympus CellIR	Confocal
Olympus TIRF	Confocal
Nikon C1 LIMO Confocal with Fluorescence Lifetime Imaging	Confocal
Nikon Eclipse E800 Fluorescence Microscope (SensiCam)	Optical
Olympus BX61 Motorized System (SIS)	Optical
Zeiss Axioplan (Kontron)	Optical
Zeiss Axioskop 2 MAT Light Microscope	Optical
Zeiss Axiovert Vario 100HD Reflecting	Optical
Olympus BX60	Optical
Siemens XRD D5000	XRD
Shimadzu XRD S6000	XRD
Skyscan 1072 Micro-Computed Tomography	MicroCT
Xradia Micro XCT	MicroCT
Xradia Nano XCT	Nano CT
Molecular Imaging PicoSPM	SPM
Ntegra Near-Field Scanning Optical Microscope	NSOM
Materials Specimen Preparation	
Struers DP-U2 Grinding Wheel	
Allied High-Tech Techprep8 Grinding Wheel	
Allied High-Tech Tripods (x6)	
Struers Accutom Diamond Saw	
Struers Accutom-50 Diamond Saw	
Buehler Isomet 11-1180 Low-speed Diamond Saw	
Gatan 691 Precision Ion Polishing System (PIPS)	
Gatan 691 Precision Ion Polishing System (PIPS)	
Struers LectroPol 5	
Fischione 3000 Ion-beam Thinner	
Struers TenuPol-5 Electropolishing Jet Thinner	
Technoorg Linda Gentle Mill	
Stuers RotoPol-22 with RotoForce-4 and Multidoser	
Biological Specimen Preparation	
FEI Vitrobot	
Leica Reichert Ultracut S Ultramicrotome	UMT
Leica Reichert FCS Cryo-ultramicrotome	UMT
Leica Ultracut 7 Ultramicrotome	UMT
Leica Ultracut T Ultramicrotome	UMT
Leica Ultracut E Ultramicrotome	UMT
Leica EM PACT HPF High-pressure Freezer	HPF
Leica EM AFS Automatic Freeze-substitution Unit	AFS
Balzers Freeze Fracture	
Leica Vibrotome	
Leica KMR3 Glass Knifemaker	
BAL-TEC Critical Point Dryer 030	CPD
Biomolecular Specimen Preparation	
Veriti Thermal Cycler	
Biomate 3 Spectrophotometer	
DNR BioImaging System	
Sanyo Bacterial Incubator	
Ratek rotating bacterial incubator	
Thermo Scientific Cr3i Centrifuge	
Thermo -86°C freezer	
Ratek Orbital Mixing Incubator	
Cell-Culture Preparation	
CCL Biological Cabinet Class II x 2	
CytoSafe Cytotoxic Drug Safety Cabinet	
ES-315 Autoclave	
Victor Plate Reader	
Thermo CO2 Incubators x 3	
SEM Specimen Preparation	
Dynavac Xenosput chromium coater	
Emitech K550X sputter coater	
Emitech K950X carbon coater	
Drying oven	
The University of New South Wales	
Electron Microscope Unit	
JEOL 1400	TEM

Philips CM200	TEM
FEI Tecnai G2 20 STWIN	TEM
Hitachi S3400N	SEM
Hitachi S3400N	SEM
ZEISS Auriga Cross-Beam	FIB/SEM
Hitachi S-900	SEM
JEOL JSM-7001F	SEM
FEI NanoSEM 230	SEM
FEI xP200 Focused Ion Beam	FIB
FEI Quanta 200	ESEM
FEI Nova Nanolab 200 DualBeam FIB	FIB/SEM
JEOL JXA-8500F Hyperprobe	EPMA
JEOL JSPM-5400 MkII	SPM
Digital Instruments Dimension-3000	AFM
Digital Instruments MultiMode	SPM
Skyscan 1072 Micro-Computed Tomography	MicroCT
Leica EM UC6	UMT
Leica EM FC6	UMT
Australian National University Centre for Advanced Microscopy	
Hitachi H7100FA	TEM
Philips CM300	TEM
Cambridge S360	SEM
JEOL JSM6400	SEM
Hitachi S4500	SEM
Hitachi 4300 SE/N	SEM
Zeiss UltraPlus	SEM
X-ray Micro-Tomography Facility	MicroCT
Nanoscope Digital Instruments (x2)	AFM
The University of Queensland Centre for Microscopy & Microanalysis	
JEOL JEM1010 TEM	TEM
JEOL JEM1010B TEM	TEM
FEI Tecnai 20F FEGTEM	FETEM
JEOL JEM2100 TEM	TEM
FEI TECNAI 12	TEM
FEI Tecnai T30F High-Throughput Cryo-FEGTEM Facility	FETEM
JEOL JEM1011 TEM	TEM
JEOL JSM6300F SEM	FESEM
Philips XL30 SEM	SEM
JEOL JSM890 SEM	FESEM
JEOL JSM-6610	SEM
JEOL JSM6460LA	SEM
JEOL JSM-7001F	FESEM
JEOL JCM-5000 Neoscope (x2)	SEM
JEOL JXA8200 EPMA	EPMA
Kratos Axis Ultra XPS	XPS
Nanoscope AFM	AFM
Bruker Advance XRD Defractometer	XRD
Bruker Advance XRD - 2 Defractometer	XRD
Anton Paar SAX SESS	SAXS
VG Sector 54 TIMS	
Thermal Infrared Mass Spectrometer	
Thermo X series ICP-MS	
Nu Analytical Plasma HR MC-ICPMS	
Ancillary Equipment	
Tousimis Samdri-795 (x2)	CPD
XsiITEMR Ex-situ Micromanipulator Unit	
Leica Crion Antistatic Unit	
Leica UC6	UMT
Leica UC6	UMT
Leica Ultracut T	UMT
Leica S	UMT
Cressington Freeze Fractur/Etch Unit	
Cressington High Vacuum Coater	
JEOL JEE 4X High Vacuum Coater	
Denton High Vacuum Coater	
3 X Gatan Dry Pumping Station	
Balzers High Pressure Freezer	
Leica High Pressure Freezer	
Gatan PIPS Ion Mill	
Fischione Plasma Cleaner	
Fischione Electro Polisher	
Leica Ultracut S & FCS Cryoultratome	UMT
Leica Ultracut T & FCS Cryoultratome	UMT
Leica UC6 Cryo-Ultramicrotome	UMT
Leica UC6 Cryo-Ultramicrotome	UMT
Leica Freeze Substitution	
Leica AFS - FC6	
Leica AFS - FC6	
Vitrobot Freezer	
Olympus BX61 Research Microscope	
Olympus BX51 Research Microscope	LM
Olympus Inverted Optical Microscope	
Kyowa Stereo Binocular Microscopes X4	LM
Olympus Trinocular Optical Microscope	
Olympus SZH Research Microscope	LM
Olympus BX60 Research Microscope	LM
	LM

The University of Western Australia Centre for Microscopy, Characterisation and Analysis	
Cameca NanoSIMS 50	Ion Microprobe
Cameca IMS 1280 Ion Microprobe	Ion Microprobe
Zeiss 1555 VP	SEM
JEOL 6400	SEM
Philips XL30	ESEM
JEOL JXA-8530F Microprobe	EPMA
JEOL 3000F	TEM
JEOL 2100	TEM
JEOL 2000FXII	TEM
Leica TCS SP2	Confocal
Nikon A1	Confocal
Olympus IX-81 Inverted Fluorescence Microscope	LM
Zeiss AxioPlan	LM
Aperio Scanscope Digital Slide Scanner	LM
Digital Instruments Dimension-3000	SPM
Becton Dickinson FACS Calibur Flow Cytometer	
Becton Dickinson FACScan Flow Cytometer	
BD FACSCanto II Flow Cytometer	
BD INFLUX Cell Sorter	
Luminex 200 Bead Array	
Micromass VG Autospec	
Shimadzu GCMS QP2010	
Waters GCT	NMR
Bruker Avance 600 MHz NMR Spectrometer	NMR
Bruker Avance 500 MHz NMR Spectrometer	NMR
Varian 400 MHz NMR Spectrometer	NMR
Varian INOVA 300 MHz NMR Spectrometer	
Xcalibur PELCO biowave	
Vibrotome 3000	
Leica EMPACT2 High Pressure Freezer	
Leica EM AFS2	
Emitech K775X	PIPS
Precision Ion Polishing System	
Ultrasonic Disk Cutter	
Buehler Handimet two-roll Grinder	MCT
SkyScan 1076	
CRI Maestro2	
IVIS Lumina	
PALM Laser Microdissector	UMT
Leica EM UM6 Cryo-ultramicrotome	UMT
Reichert-Jung Ultracut E Ultramicrotome	
South Australian Regional Facility	
The University of Adelaide, Adelaide Microscopy	
FEI Helios NanoLab DualBeam FIB/FESEM	FIB/FESEM
FEI QUANTA 450FEG	FEG ESEM
Phillips CM200	S/TEM
CAMECA SX51	EPMA
CAMECA SX-Five	EPMA
Laser Ablation ICPMS	LAICPMS
Solution ICPMS	ICPMS
Laser Ablation ICPMS Imaging	LAICPMS
Leica SP5	Confocal
LaVision BioTech Trim Scope	Confocal
Phillips CM100	TEM
Phillips XL20	SEM
Phillips XL30	FESEM
Phillips XL40	ESEM
Skyscan 1072	MicroCT
Skyscan 1076	MicroCT
MicroMetrics Gemini VII	BET
Xenogen ISIS 100	
NT-MTD NTEGRA	NSOM/AFM
Leica LMD	LMD
PALM Laser Capture	
Huber Guinier image plate camera	
Leica MZ16F	Optical
Olympus BX51	Optical
GATAN Solarus Plasma Cleaner	
Leica EM UC6	UMT
Leica Ultracut E	UMT
Leica Ultracut S	UMT
Struers Minitom	
Struers Tenupol-3	
Struers TegraPol - 11	
GATAN Duo Mill	Ion Mill
Cressington HE55 Freeze Fracture	
Cressington 208HR	
GATAN Dry Pumping Station	
Nikon LV100 Pol	Optical
Olympus IMT2	Optical
Gelair Class II Biosafe Cabinet	
PELCO BioWave	
Reichert AFS	
Baltec CPD-030	
LEICA EMCPC	

Med-Vac Slam Freezer	
University of South Australia, Ian Wark Research Institute	
PHI TRIFT V nanoToF ToF-SIMS	ToF-SIMS
KRATOS Axis Ultra DLD	XPS
MicroVacuum OWLS 120	OWLS
Digital Instruments Nanoscope II	AFM
Asylum MFP-3D-Bio	AFM
Beaglehole Imaging Ellipsometer	Ellipsometer
Resonant Probes Surface Plasmon Resonance	SPR
Differential Scanning Calorimeter	DSC
Thermogravimetric Analyser	TGA
Simultaneous Differential Thermal Analyser	SDT
Dynamic Mechanical Analyser	DMA
Thermomechanical Analyser	TMA
BRUKER AV-II-300	NMR
QEMSCAN®	SEM
Flinders University Nanotechnology, School of Chemical and Physical Sciences	
Nanoscope V	AFM/STM
Nanoscope E	AFM
Leybold	XPS
NovaScan AFM/Optical Tweezers	AFM
Leica SP5	Confocal
BioRad 1024	Confocal
JEOL 1200 EX	TEM
JEOL 1200 EX	TEM
JEOL JSM35	SEM
ETEC	SEM
Witec Alpha 500 Confocal/NSOM Raman System	Confocal
Quartz Crystal Microbalance	QCM
Biacore 2000	SPR
FEI Phenom	SEM
CamScan CS44FE	SEM
Aligent 7500 ICPMS	ICPMS
SPECs Metastable Impact Electron Spectroscopy	ES
NEUTRAL IMPACT COLLISION ION SCATTERING Spectrometer (NICISS)	NICISS