

**MAFF Instruments for Access Agreement**

This document accompanies the formal access agreement between the specified Facility of Macquarie Analytical and Fabrication Facility (MAFF) and the applicant and, where relevant, their academic supervisor(s) for work undertaken within the Facility. Its purpose is to identify the specified Facility instruments required for the project.

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| **Microscopy Unit** | |
| 🞏 JEOL JSM 7100F FESEM  🞏 FEI Teneo FESEM  🞏 NEOscope 6000Plus Benchtop SEM  🞏 JEOL 6480LA SEM  🞏 PHENOM XL Benchtop SEM  🞏 DEBEN Microtest Tensile stage (attachment for Phenom)  🞏 Olympus FV3000RS Confocal Microscope  🞏 Olympus APX 100 Digital Imaging System  🞏 Olympus BX63 Fluorescence Microscope  🞏 Olympus BX53 Brightfield Microscope  🞏 Olympus BX53M Brightfield Microscope  🞏 Nikon Eclipse Ci-S Brightfield Microscope  🞏 Leica EM CPD 300  🞏 RMC Glass Knifemaker  🞏 Gatan Pips II Model 695  🞏 Gatan Dimple Grinder model 656  🞏 Leica EG1150 Parrifin Embedding System | 🞏 Philips CM10 TEM  🞏 JEOL 2100F FETEM  🞏 Bruker Innova AFM  🞏 Kruss Drop Shape Analyser  🞏 Empyrean XRD  🞏 Olympus SZX16 Stereomicroscope  🞏 Leica M205A Fluorescence Stereomicroscope  🞏 Zeiss Axio Zoom Stereomicroscope  🞏 Nikon SMZ18 Stereomicroscope  🞏 BK Plus Macro Micro Imaging system  🞏 Leica EM UC7 Ultramicrotome  🞏 Pelco EasiSlicer Vibratome  🞏 RMC MR3 Rotary Microtome  🞏 Emitech K550 Gold Sputter Coater  🞏 Leica EM ACE200 Sputter Coater  🞏 Quorum Q150T ES C/Chromium coater  🞏 Other: |

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| **NMR Facility** | |
| o Bruker NMR 400 MHz  o Bruker NMR 500 MHz | o Bruker NMR 600 MHz  o Other: |

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| **Macquarie University Centre for Analytical Biotechnology (MUCAB)** | |
| o Agilent GPC 1100 series  o Agilent 4100 MP-AES  o Shimadzu GC-MS 2010  o Shimadzu GC-MS/MS 8040  o Agilent HPLC 1260 (1)  o Agilent HPLC 1260 (2)  o Agilent LC-MS 1260 | o Tristar II 3020 Surface Area and Porosity System  o NETZSCH Jupiter 3 STA analyser  o Amersham Biosciences ÄKTA Explorer  o ÄKTA Purifier/Pure  o ÄKTA START  o Other: |

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| **Material Characterisation and Analysis Facility (MCAF)** | |
| o Horiba Duetta Fluorescence and Absorbance Spectrometer  o PanAlytical 1kW XRF  o Bruker M4 Tornado µXRF  o Aeris benchtop XRD  o Elementar CHNS analyser  o ThermoFisher Nicolet FTIR  o Zeiss SEM Quantitative EDS  o Horiba Raman Spectrometer  o Agilent 4200 MP-AES  o Agilent 7500 ICP-MS solution  o Agilent 7700 ICP-MS Laser Ablation | o Agilent 8900 QQQ ICP-MS/MS laser/solution  o ThermoFisher iCAP ICPMS/MS  o Thermo TIMS Mass Spectrometer  o Nu Instruments Multi-Collector ICPMS  o ThermoFisher Neptune MC ICPMS  o Thermo MAT 253+ Stable and Clumped Isotopes  o Malvern PanAlytical Particle Sizer  o SelFrag  o Milling and Saw facilities  o Lapidary Facilities  o Other: |

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| **Australian Proteome Analysis Facility (APAF)** | |
| o Sciex 6600 Triple TOF MS (Rm 402)  o Sciex 6600 Triple TOF MS (Rm 403)  o Thermo Scientific QExactive Plus MS  o Thermo Scientific QExactive MS  o Thermo Scientific QExactive HFX MS | o Thermo Scientific Orbitrap Exploris 480 MS  o Thermo Scientific Orbitrap Fusion Lumos Tribrid MS  o Waters Cyclic IMS  o Refeyn TwoMP Mass Photometer  o Other: |