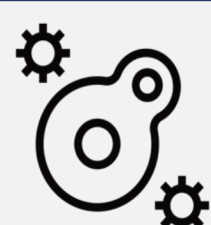


# WEHI Proteomics Facility

*We employ the latest mass spectrometry innovations at the interface between basic and clinical research from experimental design, sample preparation, data acquisition, through advanced biostatistics.*



Scan the QR code to see more about WEHI proteomics facility



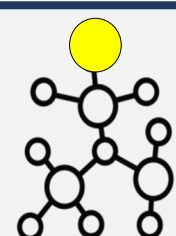
**Global Proteome Profiling**  
Differential protein expression  
Subcellular fractions (e.g. secretome)



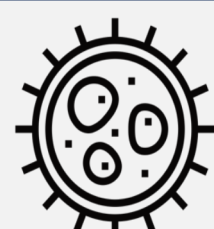
**XL-MS (Crosslinking MS)**  
Structural proteomics  
Protein dynamics & complexes



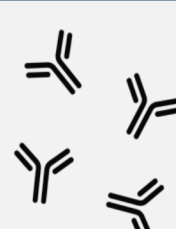
**Clinical biofluid proteomics**  
Plasma, EVs, patient biofluids  
Paired MS + **Olink analyses\***



**PTM & Phosphoproteomics**  
PTM analysis (e.g. GlyGly)  
Quantitative Phosphoproteomics



**Cell surface labelling**  
Cell surface markers  
Cell surface interactions



**Immunoprecipitation-MS\***  
Protein-protein interaction networks  
\*Includes HA-tagged, FLAG-tagged



**Intact 'Top Down' MS**  
Protein dynamics, Protein complexes  
Protein isoforms (PTMs), Protein IDs



**Proximity Biotin Labelling**  
In situ interactomics (TurboID)  
Protein-protein interaction networks



**Antibody de novo sequencing**  
Antibody characterisation  
Epitope mapping



**Low-input/LCM Proteomics**  
Low-input, high-sensitivity  
Laser-capture microscopy samples



**timsTOF Pro x2**  
(Bruker)



Cell Surface



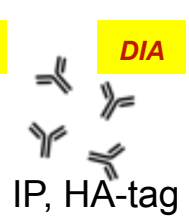
Clinical Proteomics



Global proteomics



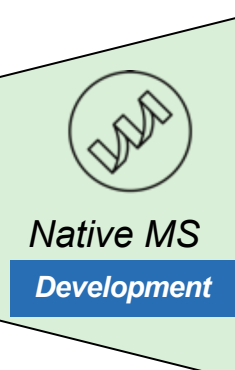
TurboID



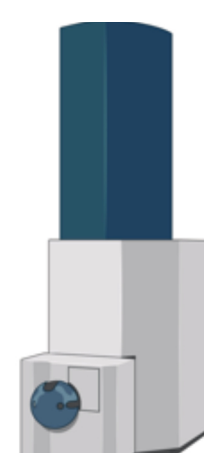
IP, HA-tag  
FLAG-tag



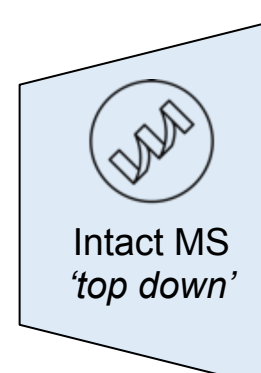
**Impact II Q-TOF**  
(Bruker)



Native MS  
Development



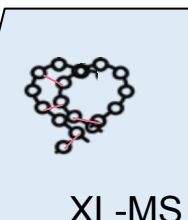
**maXis II Q-TOF**  
(Bruker)



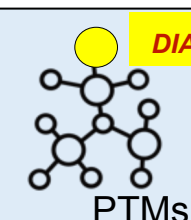
Intact MS  
'top down'



**Orbitrap Eclipse**  
(Thermo Fisher Scientific)



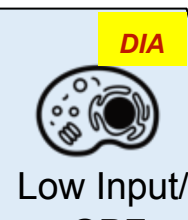
XL-MS



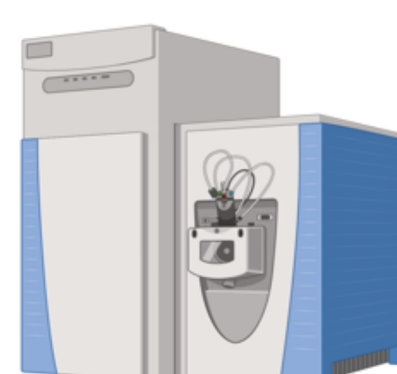
PTMs



Antibody  
sequencing



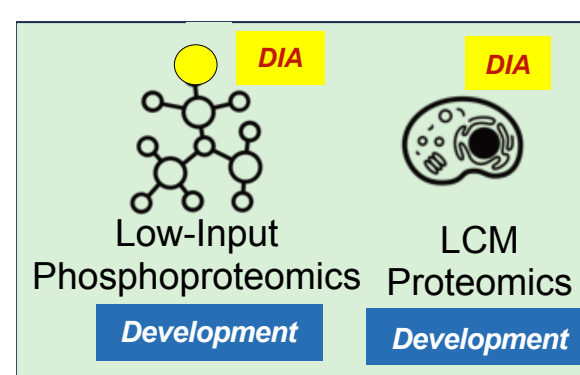
Low Input/  
GPF



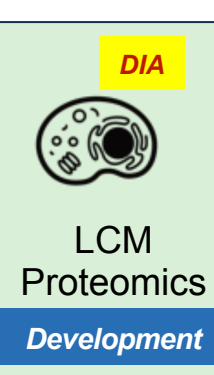
**Q-Exactive Classic**  
(Thermo Fisher Scientific)



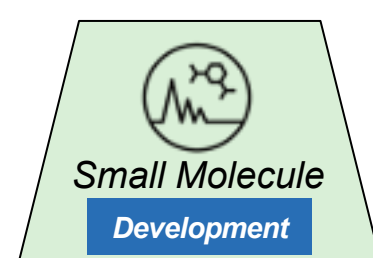
**Orbitrap Astral** (Thermo Fisher Scientific)



Low-Input  
Phosphoproteomics  
Development



LCM  
Proteomics  
Development



Small Molecule  
Development

## Contact WEHI Proteomics



**Dr Laura Dagley**

Proteomics Facility Manager

[proteomicsfacility@wehi.edu.au](mailto:proteomicsfacility@wehi.edu.au)

