

Policy and guidance for proteomics

Mass Spectrometry Research Facility (MS-SRF), Department of Chemistry

Updated May 2024

The MS-SRF provides a proteomics service predominantly for the Department of Chemistry in accordance with the guidance below. When instrument and staff time allows, we carry out analyses for members of other departments in the University and external companies.

Two levels of access are provided, for bottom-up and top-down proteomics, label free quantitation and identification of post-translational modifications:

Proteomics Service - Where pre-digested samples are submitted, these will be analysed by the MS-SRF and the data raw data files will be provided to the researcher without any further processing or data analysis.

Collaborative Proteomics - Advice will be given on experiment design and sample processing. Samples will be analysed and data processing will be carried out by a member of facility staff. A report will be provided to the researcher and a meeting will be offered to clarify any questions arising from the report. Assistance will be provided to interpret the data and prepare figures for publication.

- Charging will be in accordance with pre-agreed Research Council and charity funding rates for the current year.
- Sample processing (eg. digestion) will only be carried out by the MS-SRF for users with no access to the required equipment or expertise, and only with prior agreement from a member of facility staff. Costs for consumables and staff time will be charged in addition to instrument and data processing.
- Access to proteomics software packages is restricted to collaborators and users with ongoing service agreements with the MS-SRF.