

Resource Summary Report

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Cancer Research UK Scotland Institute Mass Spectrometry Core Facility

RRID:SCR_027652

Type: Tool

Proper Citation

Cancer Research UK Scotland Institute Mass Spectrometry Core Facility
(RRID:SCR_027652)

Resource Information

URL: <https://www.crukscotlandinstitute.ac.uk/advanced-technologies/mass-spectrometry.html>

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Description: Core offers proteomics and metabolomics services. Provides support from experimental design to execution, sample processing, data interpretation, and assistance with presentations, manuscript preparation for publication and deposition of data in public repository and data storage on local server. Provides service analysis of post-translational modifications, such as phosphorylation, ubiquitination, acetylation, and others, with precise site localization on either single protein or for entire proteome. Uses Orbitrap Fusion Lumos coupled to Easy-nLC 1200 HPLC system. Facility instruments are operated with various acquisition methods, including classic Data Dependent Analysis (DDA) or more recent Data Independent Analysis (DIA). Acquired data from different methods are used to accurately identify and measure abundance of proteins and peptides employing different quantitation strategies: Label-free, TMT, pulsed-SILAC and Isotope-labelled Iodoacetamide (for Cysteine oxidation). Provides specialized data analysis software like MaxQuant and Mascot for DDA, Spectronaut for DIA of clinical samples and Perseus and Scaffold for data compilation, analysis, and dissemination.

Synonyms: CRUK Scotland Institute Proteomics Facility, CRUK Scotland Institute Metabolomics Facility, Cancer Research UK Scotland Institute Mass Spectrometry Facility

Resource Type: access service resource, service resource, core facility

Keywords: ABRF, Metabolomics, Proteomics, Lipidomics, MSI

Resource Name: Cancer Research UK Scotland Institute Mass Spectrometry Core Facility

Resource ID: SCR_027652

Alternate IDs: ABRF_5647

Alternate URLs: <https://https://coremarketplace.org/?FacilityID=5647&citation=1>

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Ratings and Alerts

No rating or validation information has been found for Cancer Research UK Scotland Institute Mass Spectrometry Core Facility.

No alerts have been found for Cancer Research UK Scotland Institute Mass Spectrometry Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.