Expertise

The Centre of Excellence in Mass Spectrometry is led by Professor Jane Thomas-Oates and staffed by a dedicated team of highly experienced researchers with well-established expertise in their technologies and their applications.

The research staff has a strong track record in research and service provision and is available to maximise the benefit to your organisation from the Centre’s facilities.

State-of-the-art technology

The Centre of Excellence in Mass Spectrometry offers a unique combination and breadth of instrumentation:

- 9.4 tesla FT-ICR-MS with CID, SORI, ECD, ETD, IRMPD
- Ultrahigh resolution maXis Q-TOF
- MALDI-TOF/TOF
- Ion traps with CID, ETD and laser irradiation
- Triple quadrupole

Contact

For details of charges and to arrange access to the Centre of Excellence in Mass Spectrometry please contact:

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The Centre is a joint venture between the University of York’s Departments of Biology and Chemistry, which has been set up thanks to a major capital investment of £1.6 million through SCY, supported by Yorkshire Forward with funds from the Northern Way Initiative.
Mass spectrometry is a powerful analytical tool with many applications for product development and research, including:

**Omics**
- Proteomics
- Metabolomics
- Glycomics

**Protein Characterisation**
- Sequencing and quality control
- Post-translational modifications
- Ligand structure and binding

**Chemistry**
- Gas-phase reactions
- Reaction kinetics
- Compound identification and verification

**Allied Techniques**
- MALDI imaging
- Ambient ionisation methods
- Isotope dilution for absolute quantification

**Flexible access arrangements**

The Centre of Excellence in Mass Spectrometry offers a range of services for corporate and academic use:
- Fee-for-service work
- Hourly instrument use
- Confidential hire
- Grant applications
- Training
- Consultancy
- Contract research

Hourly hire from only £55

“The University of York’s Centre of Excellence in Mass Spectrometry brings together the latest technology with internationally-recognised expertise to create a unique and strategic resource for the scientific community”

Professor Rob Edwards
Chief Scientist, The Food and Environment Research Agency