

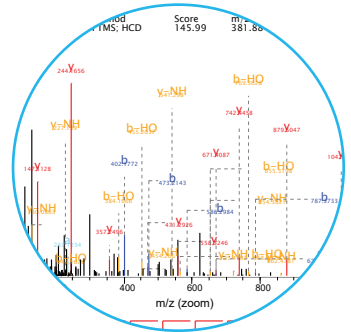


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# MASS SPECTROMETRY

IGMM Mass Spectrometry is a facility for measuring molecules from biological and clinical samples. We enable researchers to study changes in the amounts of proteins, lipids, metabolites and other molecules in cells and tissues, as well as tracing atoms through metabolic pathways, examining protein-protein interactions, and exploring signalling networks.



## APPROACHES AND TRAINING

- Expression proteomics
- Pulldown-mass-spec for protein-protein interactions
- Protein PTM analysis
- Untargetted metabolomics
- Targetted metabolic pathway analysis
- Metabolic isotopic tracer analysis
- Lipidomics
- Training in mass-spec experimental design and sample preparation
- Training in mass-spec data processing and information mining
- Consultation for planning, grants, publication, etc.

## INSTRUMENTATION

- Thermo Fusion Lumos
- Q Exactive Plus & Q Exactive
- Kingfisher Flex & Duo

The team works collaboratively to ensure an understanding of the biological question, and the experimental set-up upstream of mass-spec analysis, in order to select the best methodologies at the outset. We care most about contributing to scientific understanding and strive to provide the greatest impact for our collaborators.

For more information on the services provided within the facility and examples of our team's work, please contact:

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