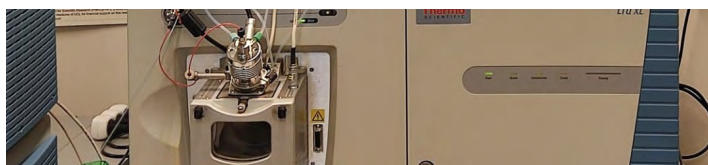


MASSMET

Mass spectrometry of metabolites and compounds of pharmaceutical and biological interest

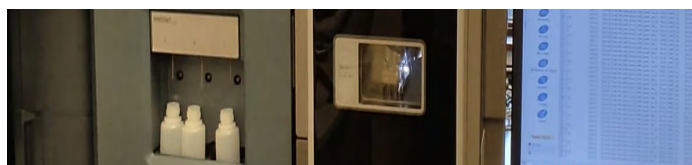
WHAT WE OFFER : services and expertise

- Identification and quantification of metabolites from complex matrices (biological fluids, tissues, cells, plants...)
- Full development of chromatographic methods coupled to mass spectrometry detection
- Quantitative analysis of endogenous and exogenous molecules in biological matrices
- Support for data interpretation and project/manuscript writing



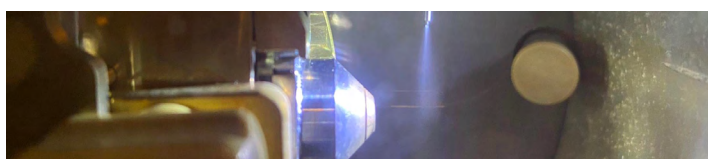
LTQ-Orbitrap XL

- High resolution mass spectrometer coupled to LC
- ESI and APCI probes
- Identification using ion fragmentation LC-MS/MS (including high-resolution on daughter ions)
- Coupled to UV-DAD



Xevo TO-S

- High sensitivity mass spectrometer coupled to UPLC
- ESI and APCI probes
- Quantification of low abundance molecules



Available expertise

- Set up of extraction protocols for molecules of interest
- Optimization of MS detection (e.g. HRMS, MS/MS, ...)
- Set up of chromatographic separations
- Validation of LC-MS methods
- Outstanding expertise in lipid mediators and plant secondary metabolites

CONTACT

Platform manager

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(1) LTQ-Orbitrap XL (Thermo Fisher Scientific) – (2) Identification of secondary metabolites in plant extracts by HPLC-LTQ-Orbitrap XL HRMS – (3) Xevo TO-S ESI source
(4) Characteristic fragmentation of the bile acid TCA by UPLC-MS/MS



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