

Clinical OMICS

Services provided

For your **Clinical investigations**, we propose to apply **advanced proteomics methods** to further your knowledge of disease, pathways, targets and drugs effects.

CLIC IMAGING offers

- Large scale proteins identification and relative quantification
- Study of post-translational modifications,
- Biomarkers hunting (Proteins, Lipids/metabolites)
- Molecular Histology of endogenous and exogenous molecules (Multiplex)
- Real-time metabolites/lipids tumors analyses through SpiderMass technology
- Multi-Omics analyses: transcriptomic/proteomics/lipidomics/ Systemic biology

CLIC-IMAGING will assist you throughout all steps of your project from your sample preparation to the data analysis.

- Access to innovative technologies: Mass Spectrometry Imaging and Spatially-Resolved Microproteomics (Shotgun and Top-down proteomics)
- Data processing and statistical analysis for identifications and relative quantification of markers (Deep learning, Multi variate analyses)

Expertise and Competences

- **Large sample cohort** analysis (over 200 different samples)
- **Fresh Frozen or FFPE samples**
- **Isolated organs, biopsies, tissue sections, isolated cells layer, 2D or 3D cell culture, exosomes(EVs), cell secretomes and body fluids** (plasma, CSF)
- Custom-made preparation to your sample **independently of the amount** of material (large to micro-sample)
- **Combined Multi-Omics analysis** (metabolomics, lipidomics and proteomics)
- Experience in the analysis of more than 5000 samples from over 30 different customers

Avantages

- Access to next generation instruments (Orbitrap and IMSQTof)
- Up-to-date software for data analysis, proteins identification and label free quantification
- Members of CLIC-IMAGING platform lead research efforts in proteomics area to apply these cutting-edge methods to answer your question

Keywords

- Mass Spectrometry Based Analysis
- Mass Spectrometry Imaging
- Spatially-Resolved Large Scale Proteomics
- Multi-Omics analysis

Customers type

- Academics
- Companies

Terms and conditions

- Service Contract
- Research Contract

References

Centre Oscar Lambret,
CHRU de Lille, OCR,
OncoLille, Institut
Pasteur Paris

Publications

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