

Clinical Proteomics

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
- Molecular Histology of endogeneous and exogenous molecules.

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

- Sample preparation
- Access to innovative technologies : Mass Spectrometry Imaging and Spatially-Resolved Microproteomics...
- Data processing and statistical analysis for identifications and relative quantification of markers

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, 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 that 5000 samples from over 30 different customers
- Design, execution and analysis of experiments

Avantages

- Access to next generation instruments (Orbitrap and IMS QTof)
- 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, Pierre Fabre,
Institut Pasteur Paris

Publications

EBioMedicine. 2017 Jun 3. pii:
S2352-3964(17)30229-3. doi:
10.1016/j.ebiom.2017.06.001

BBA. 2016, doi:
10.1016/j.bbapap.2016.11.012

MCP. 2016, doi:
10.1074/mcp.M115.057794

MCP. 2015, doi:
10.1074/mcp.M115.052480



Dermatology/Cosmetology

Services provided

CLIC IMAGING offers services around many domains as **Dermatology and Cosmetics** including Mass Spectrometry Imaging and (Micro-) Proteomics analysis.

Benefits of these techniques for Dermatology and Cosmetics studies are to allow

- a precise monitoring of compounds penetration
- potential effects on endogenous molecules (metabolites, lipids, proteins...) and toxicity response.

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

- Sample preparation
- Access to innovative technologies : Mass Spectrometry Imaging and Spatially-Resolved Microproteomics,
- Data processing and statistical analysis for identifications and relative quantification of markers

Expertise and Competences

- **Large sample cohort** analysis (over 200 different samples)
- **Different Fresh Frozen or FFPE samples**
- **Skin tissue, isolated skin layer, hair follicles** (hair root and bulb).
- Suited preparation to your sample independently of the amount of material (large to micro-sample)
- **Exogenous compounds targeting in skin** substructures with **MSI**
- **Combined Multi-Omics analysis** (metabolomics, lipidomics and proteomics)
- Experience in the analysis of more that 5000 samples from over 30 different customers
- Design, execution and analysis of experiments

Avantages

- Access to next generation instruments (Orbitrap and IMS Q-Tof)
- True (un-)targeted discovery
- Multi-Omics analysis
- All these cutting-edge Mass Spectrometry experimental combined to computational techniques allow you to **obtain relevant biological significance**

Keywords

- Mass Spectrometry Based Analysis
- Mass Spectrometry Imaging (MSI)
- Skin penetration
- Metabolites monitoring
- Multi-Omics analysis

Customers type

- Academics
- Companies

Terms and conditions

- Service Contract
- Research Contract

References

Pharmaceutical groups specialized in cosmetology and dermatology

CIMI Paris

Publications


BBA. 2016, doi:
10.1016/j.bbagen.2016.10.021

Sci Rep. 2016, doi:
10.1038/srep25919

PLoS One. 2012, doi:
10.1371/journal.pone.0050180

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