

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 targetting 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 IMSQ-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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