

**Request Form: OSR user**  
**Proteomics and Metabolomics Facility: ProMeFa**

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**User informations:**

Name:.....Phone:.....e-mail:.....  
Lab.:.....Division:.....Internal order/Grant ID:.....  
Signature of Group leader:.....

**Requested analysis:**

**Protein characterization**

Protein/peptide analysis by HPLC/MS and MS/MS  
Sample purification (zip tip or similar) and intact protein MW determination by nanospray off line MS

**Protein identification: PMF and sequencing**

PTM-characterization: validation by Western Blotting and 2DE +/- removal of the PTM  
Phosphorylation characterization by TiO<sub>2</sub> or IMAC enrichment and mass spectrometry  
Identification of a spot or band by in gel digestion and LC-MS/MS

**Biomarker profiling in biological samples by 2DE, image analysis and statistical evaluation**

Differential protein display in control vs patient biological samples: plasma, serum, urine, tissue  
Six samples: control vs treated/patient in triplicates

**Quantitative protein profiling by mass spectrometry and statistical analysis**

Differential protein display in two or more diverse conditions using:  
iTRAQ or TMT labelling of peptides (run in technical duplicate)  
SILAC methodology (run in technical duplicate)  
Label-free approach (run in technical triplicate)

**Metabolomics/Lipidomics by mass spectrometry and statistical analysis**

Untargeted workflow for differential small molecules/lipids display in: plasma, serum, urine, tissues

**Quantitative Metabolomics/Lipidomics by mass spectrometry and statistical analysis**

Targeted workflow for specific small molecules/lipids display in: plasma, serum, urine, tissues

**Data analysis**

**Sample informations (according to the wanted activity, fill in the fields):**

Sample name or gel ID number:

Buffer/solvent composition:

Quantity and volume:

Expected mass (for peptides, indicate the protecting groups):

Organism or source of protein sample:

Number of bands/spots to be identified:

**FACILITY USE ONLY:**

Date of receipt:

Analysis Performed:

N° of samples analysed:

Cost (€):