

1. INTRODUCTION

The Metabolomics Platform [1] is a joint research facility created by URV (Universitat Rovira i Virgili, Tarragona, Spain) and CIBERDEM (Spanish Biomedical Research Network in Diabetes and Associated Metabolic Disorders).

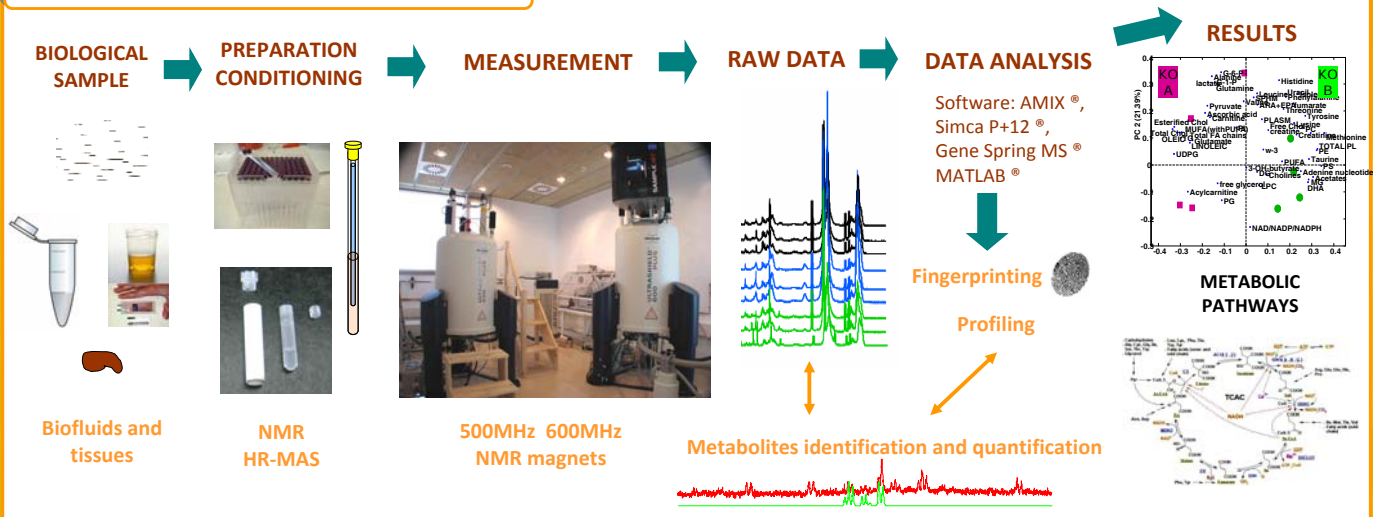
2. GOALS

The main goal of the Metabolomics Platform is to offer metabolomics services to the biomedical and clinical research groups from CIBERDEM and URV. The Platform not only acts as a NMR measurement facility but to offer consulting, covering the process from the experimental design to data analysis.

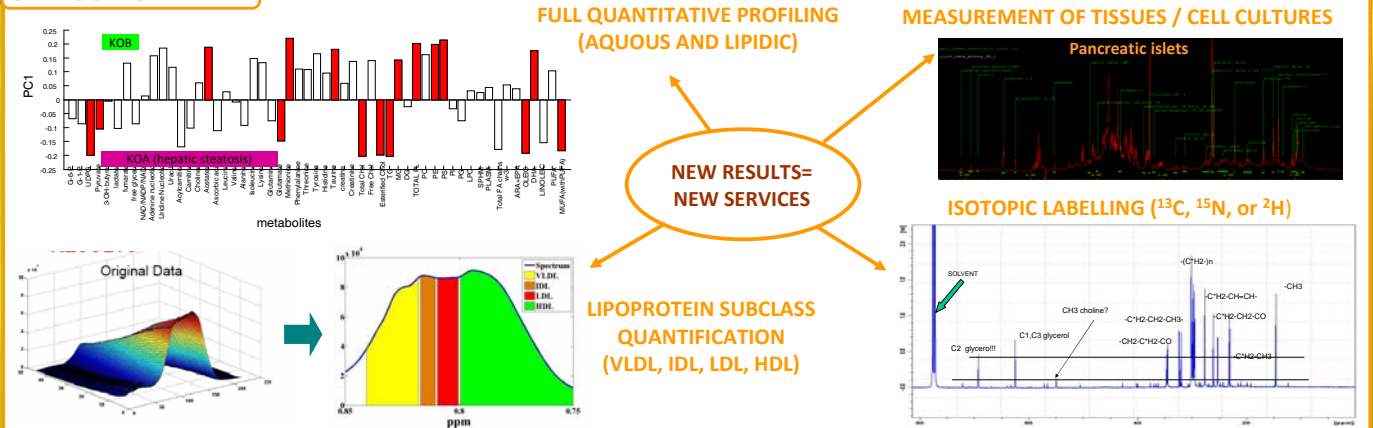
3. FACILITIES

The equipment includes: 600 MHz Bruker® Avance III spectrometer fitted with a cryoprobe, and with a Samplejet® sample changer and Gilson® 215 preparation robot. 500 MHz Bruker Avance III spectrometer coupled to a HR-MAS for the measure of tissue/cell cultures

4. METABOLOMIC WORK FLOW BY NMR



5. RESULTS



6. CONCLUSIONS

- Metabolomics is able to provide a panoramic view of abundance changes in endogen metabolites indicative of biochemical phenotypes and to open a plethora of possibilities for new applications.
- New methods and studies need to be optimized in order to get reliable and robust results.

7. CONTACT US

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