



IV Hands-on Course in Ultrafast Sample Treatment for Proteomics

27th - 29th
June 2014

Module I - Theory

Fundamentals of proteomics

Protein fractionation: 1D-GE, 2D-GE, off-gel IEF

Sample preparation: In-gel trypsin digestion and ^{18}O -isotopic labelling

Protein identification by Mass Spectrometry

Protein quantification by Mass Spectrometry

Practical aspects of sample collection storage and preservation for the proteome analysis

Module II - Hand-on

Experimental design

Sample clean-up

Protein quantification

Protein separation: 2D gel electrophoresis

In-gel trypsin digestion: accelerated method

^{18}O -stable isotopic labelling

MALDI-TOF/TOF-MS data acquisition

Data analysis: Protein identification & quantification

Registration fees: 350€

Location: Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, 2829-516 Caparica

To register please contact:

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