V Hands-on Course in Ultrafast Sample Treatment for Proteomics

22th - 24th June 2015

Sponsored by the European Proteomics Organization

**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 fee:** 350€
- Groups with 2/3 persons have a 20% discount.
- Groups with 4 or more persons have a 40% discount.

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

**To register please contact:**
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