**X Hands-on Course in Ultrafast Sample Treatment for Proteomics**

**Module I - Theory**
- Practical aspects of sample collection storage and preservation for the proteome analysis
- Fundamentals of proteomics
- Protein fractionation: 1D-GE, 2D-GE
- Sample preparation: In-gel trypsin digestion
- Protein identification by Mass Spectrometry

**Module II - Hand-on**
- Sample clean-up
- Protein separation: 2D gel electrophoresis
- In-gel trypsin digestion: accelerated method
- MALDI-TOF/TOF-MS and nLC-MS/MS data acquisition
- Data analysis: Protein identification

**Registration fees:** 460€*
- Groups with 3 persons have a 10% discount
- Groups with 4 or more persons have a 20% discount

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

**To register please contact:**
- José Luis Capelo
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- UCIBIO-REQUIMTE, FCT-UNL

**Web:**
- [http://www.bioscopegroup.org](http://www.bioscopegroup.org)
- [https://youtu.be/tw1ndUXNoBI](https://youtu.be/tw1ndUXNoBI)

* Registration fees include course manual, lab-coat, and coffee breaks.
Ψ Coming from the same research group/ company.
Maximum 15 persons. Course registration will be done by requesting order.