



X Hands-on Course in Sample Preparation Using Nanoparticles for Proteomics

**06th - 07th
June 2022**

Module I - Theory

Synthesis and Characterisation of Gold and Silver Nanoparticles
Nanoparticle-based sample fractionation
Electrophoresis
Protein identification by Mass Spectrometry
Nano-profiling

Module II - Hand-on

Protein quantification
Nanoparticle synthesis characterization and applications:
Protein fractionation using gold-nanoparticles (serum samples)
Characterization of GNPs-protein complexes (UV-Vis, SDS-PAGE)
In-gel and In-solution protein digestion (GNPs-protein complexes)
Protein identification using MALDI-TOF/TOF MS and nLC-MS/MS
Data analysis

Registration Fee: 500€ *

Groups with 2 persons have a
10% discount ^ψ

Groups with 4 or more persons
have a 20% discount ^ψ

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

To register please contact:

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Web:

<http://www.bioscopegroup.org>
<https://youtu.be/tw1ndUXNobl>

★ 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

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SCIENCE & TECHNOLOGY

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