



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

30th – 01st
January / February
2017

Module I - Theory

Synthesis and characterization of 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
Data analysis

★ 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 .

Registration fees: 450 € *

Groups with 2 -3 persons have a
10% discount ψ

Groups with 4 or more persons
have a 15% discount ψ

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

To register please contact:

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