



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

28th - 30th
July 2014

Module I - Theory

Synthesis and characterization of nanoparticles
Nanoparticle-based sample fractionation
Electrophoresis
Protein identification by Mass Spectrometry
Nanoprofiling

Module II - Hand-on

Experimental design
Sample collection storage and preservation
Sample clean-up
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: 350€

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

To register please contact:

Hugo M. Santos

(hmsantos@me.com)

Postdoctoral research fellow
at REQUIMTE FCT-UNL I
IBB-UAB

J.L. Capelo

(jlcm@fct.unl.pt)

Assistant professor at FCT-UNL

Web:

<http://www.bioscopegroup.org>



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