



VI Hands-on Course in Fluorescence and Related Techniques Applied to Chemosensors and Nanoparticles

**06th - 08th
February 2017**

Module I - Theory

Introduction to Photophysical Principles applied to Probes and Sensors.
Photophysical Characterization: absorption, emission and excitation spectra.

Fluorescence Quantum Yield.

Solid State Studies.

Synthesis and characterization of Metallic Nanoparticles: gold, silver and magnetic.

Module II - Hand-on

Photophysical Characterization of a highly luminescent compound (solution and solid state studies)

Quantification of an emissive system using a Nanodrop technology (Abs and emission)

Spectrophotometric and spectrofluorimetric metal titration. LOD and LOQ

Dynamic Light Scattering characterisation of NPS (Size and Charge)

Screening the anion interactions using a CLARIO star 96 well plate emission system

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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