



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

29th – 31st
October 2015

Module I - Theory

Introduction to photophysical principles applied to chemosensors

Photophysical characterization: absorption, emission and excitation spectra

Fluorescence quantum yield

Solid state studies

Design and applications of Fluorescent and Colorimetric chemosensors

Synthesis of Metallic Nanoparticles. Methods and Characterization

Module II - Hand-on

Application of NANODrop in Bio-inspired systems

Photophysical characterization of a highly luminescent compound in solution and in solid state

Spectrophotometric titration with anions using macrocycle molecular devices

Spectrophotometric and spectrofluorimetric titration of an intrinsic chemosensor with transition metal ions

Spectrophotometric study of gold and silver nanoparticles used as chemosensors for charged molecules

Registration fee: 350€

Groups with 2/3 persons have a **20%** discount.

Groups with 4 or more persons have a **40%** discount.

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

To register please contact:

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