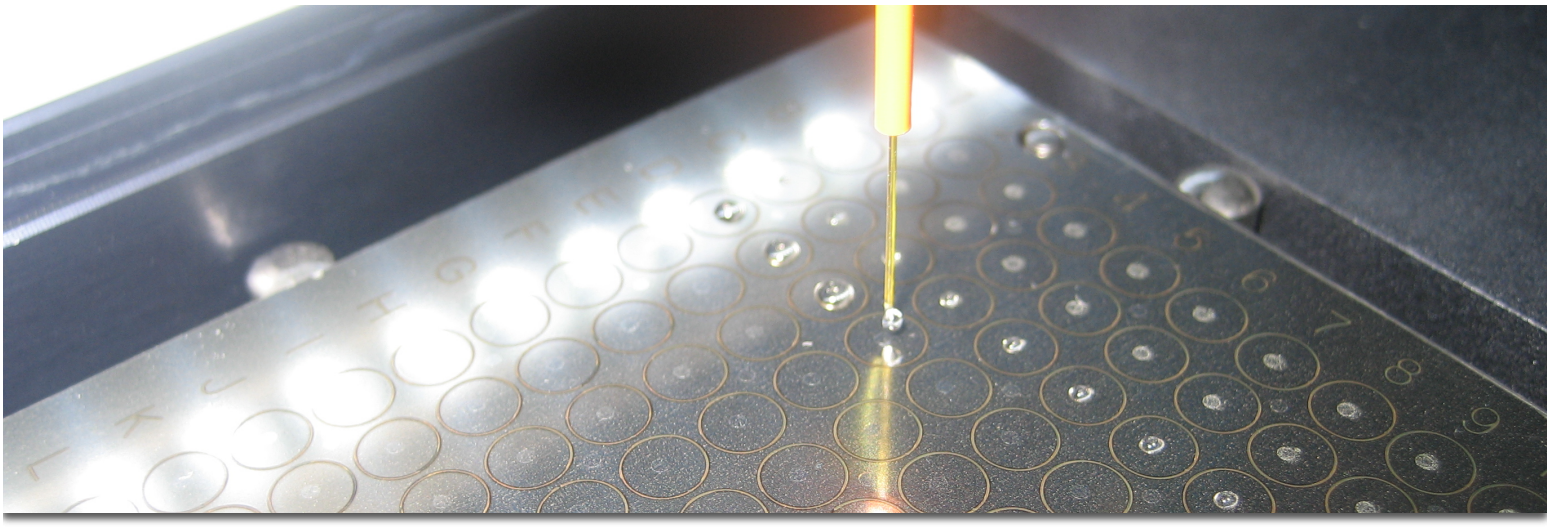

III Hands-on Course in Fluorescence and Related Techniques Applied to Chemosensors and Nanoparticles

28th - 30th May 2014

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 Methalic Nanoparticles. Methods and Characterization

Module II - Hand-on

Application of NANOdrop in Bio-inspired systems
Photophisical 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 fees: 350€

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

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