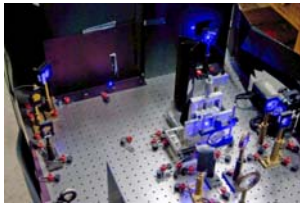




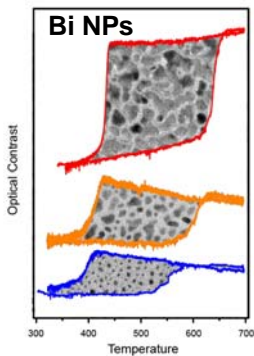
Post-doctoral positions

LPG-Laser Processing Group

Institute of Optics (CSIC)

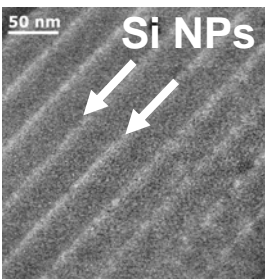


The work involves the design and characterization of **nanostructures and nanocomposites** for photonic, photovoltaic and sensing applications. The materials are based on metal oxide dielectrics that are functionalized through the incorporation of semiconductor, metal or rare-earth ions nanostructures or combinations among them with the aim of developing structures with an enhanced optical response.



The work will be carried out in the frame of national and european projects. The nanostructures will be produced using advanced laser techniques developed in the GPL, and specific spectroscopic techniques will be used for materials characterization.

The candidates should hold a PhD title in Physics, Chemistry, Optics, Photonics, and Materials Science at the date of the specified deadline for application. Experience in the use of optical characterizations techniques, as well as in the production of nanostructures will be appreciated. Contract conditions will be negotiated on the basis of the candidate experience.



Deadlines for application with a valid PhD title:

20th July 2010

30th November 2010

Send your CV and any request of further information to:

Rosalía Serna

Instituto de Óptica "Daza de Valdés", CSIC

Serrano, 121

28006 Madrid

Tel.: 915616800, ext. 942318

Fax: 915645557

e-mail: rserna@io.cfmac.csic.es

