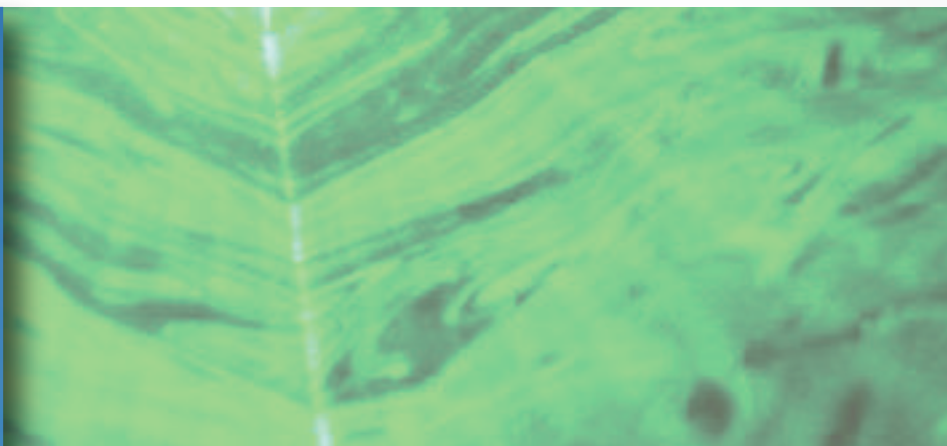


SOL-GEL Materials Synthesis and Characterization for Optical Sensing



PROJECT DETAILS

Funding Programme:
7th Framework Programme
(FP7)

Sub-Programme:
People

Funding Scheme:
International research staff
exchange scheme (IRSES)

Project Reference:
247603;
UE-10-SOLGELSENS-247603

Project Duration:
40 Months (from 2010-09-01
to 2013-12-31)

Total Project Value:
€ 115.200

EU Grant-Aid:
€ 115.200

Funding to UniOvi:
€ 64.800'01

Website:

http://cordis.europa.eu/projects/rcn/95880_en.html

PROJECT DESCRIPTION

The objective of this collaboration is to share the expertise and knowledge of the involved partners to develop selective and sensitive sensors for molecules with biological and industrial interest. The materials, based on the molecular imprinting technology and in hybrid silica, will be prepared using the sol-gel processes.

The Université Paul Sabatier in Toulouse (UPS-TLSE) has a extended experience in the synthesis of functionalized chromophores which can be used as molecular probes.

The University of Kiev (UNIKIEV) is internationally known for their works in immobilization of functionalized probes in sol-gel materials and carbon electrodes.

The Universidad de Oviedo (UNIOVI) as well as the University of Pierre and Marie Curie as the Ecole Supérieure de Physique et Chimie Industrielle have all a wide background in characterizing this kind of materials.

Finally, the University of Oviedo and the University of Kiev have huge experience in the development of optical sensors.

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