

Prof. Dr. Laura M. Lechuga
Nanobiosensors and Bioanalytical Applications Group (NanoB2A)
Catalan Institute of Nanoscience and Nanotechnology (ICN2)
UAB Campus, 08193-Bellaterra (Barcelona), Spain
Email: Laura.lechuga@cin2.es
<http://Nanob2a.cin2.es>



Postdoctoral Research Position

Job Title: Postdoctoral Research Assistant in Biofunctionalization and Bioanalytical applications
Employer: CSIC. Institut Català de Nanociència i Nanotecnologia (ICN2)
Location: Campus UAB, 08193 Bellaterra (Barcelona), Spain
Job Type: Three-year fixed-term full-time position

The Institut Català de Nanociència i Nanotecnologia (<http://www.icn.cat>) is a non-profit research institute, with the objective of becoming a world-renowned centre for nanoscience and nanotechnology research. The successful candidate will join the Nanobiosensors and Bioanalytical Applications Group, headed by Prof Laura M. Lechuga (<http://nanob2a.cin2.es>)

Job description:

The successful candidate will be responsible for the research work on biofunctionalization and bioanalytical applications of photonic nanobiosensor platforms in the framework of a recently funded 7FP EU project (BRAAVOO). The candidate will work specifically on the application of the nanobiosensing platforms in the environmental control of oceans.

The main tasks of the candidate within the project will include:

- a) Preparation of reliable biofunctionalization surfaces of nanophotonic immunosensors
- b) Analytical evaluation of environmental organic pollutants, toxins and antibiotics by the immunosensors
- c) Evaluation of real samples with the biosensing platform

The candidate should hold a PhD in chemistry or biochemistry and should have a strong experience in biofunctionalization techniques, immunoassays and optical biosensors. The applicant should have a solid track of record of scientific publications and/or patents applications. She or he should have experience in the supervision of junior researchers, such as MSc or PhD students, international research project work, and reporting. Knowledge of the English language is essential (written, spoken, listening and reading comprehension). A working knowledge of Spanish language is desirable.

Tentative starting date: 1st January 2014

Further information:

Prof. Dr. Laura M. Lechuga, Laura.lechuga@cin2.es

How to apply

Submit the following application documents to info@cin2.es

- Resume or CV
- List of scientific publications and conference presentations/seminars
- A 1-page summary of the applicant's research experience in biofunctionalization techniques, optical biosensors, immunoassays and environmental applications of biosensors
- List of three referees with contact details.

Closing date for application:

20th November 2013