



## POSTDOCTORAL POSITION IN THE FIELD OF IMMUNODIAGNOSTICS

### The institute

The **Institute for Advanced Chemistry of Catalonia (IQAC)** is one of the research centers of the Spanish National Research Council (CSIC). The Institute is located in Barcelona and it was created in 2007 with the mission to perform research of excellence in Chemical Sciences with the broad goal of improving the quality of life. The general strategy to achieve this mission involves the application of chemical approaches to address and solve societal challenges, mainly those related to human health, the sustainability of chemical processes and products, and the needs for novel materials for different applications. Since its establishment, IQAC has been in a permanent attitude to transfer its knowledge and technology results to the industrial sector.

The research developed at IQAC is organized around two main nodes: **Biological Chemistry** and **Nanobiotechnology** and it is facilitated by a number of Key Enabling Technologies. Considering the objectives pursued, many of the investigations carried out by the Research Groups at IQAC lie at the intersection between nodes.

In addition, our Institute holds a set of scientific and technical facilities run by highly qualified scientists and technical personnel with a solid background and long lasting expertise. These facilities are available not only to IQAC research groups, but also to potential users from both academia and private institutions. In any case, the technical services from IQAC are always wide open to attend any inquiry and to offer their best efforts to find adequate responses to specific needs.

### The group

The Nanobiotechnology for Diagnostics (Nb4D) group is a research group principally dedicated to the development of new diagnostic tools based on immunoanalytical techniques. Such tools find application especially in the clinical, the food safety and the environmental fields. The group counts on a powerful infrastructure and the necessary facilities to carry out an excellent research, which position it in the top places in terms both of academic investigation as well as technology transfer.

## The role

We offer the possibility to integrate oneself in a dynamic research group and to obtain a multidisciplinary formation in the chemistry and biomedicine fields. Therefore, the hired researcher **will be part of a research line that is aiming to develop a plasmonic immunosensor for the determination of sexual hormones for fertility clinics.**

## What do we look for?

- **Qualifications**  
PhD in Biotechnology/Nanotechnology or related
- **Professional experience**  
Development of biosensors and functionalization of gold nanoparticles  
Hands-on experience with antigen-antibody techniques will be valuable
- **Competences**  
Excellent presentation and writing ability  
Good interpersonal and communicative skills

## Working conditions

- **Contract duration: 12 months minimum**
- Estimated annual gross salary: 29.000-30.000 €
- Target start date: 01/05/2021

## How to apply?

Those interested may email their **CV** and **motivation letter** to Dr. **Juan Pablo Salvador** at [jpablo.salvador@iqac.csic.es](mailto:jpablo.salvador@iqac.csic.es), adding "*Doctoral Formation Contracts*" to the email subject.

**Deadline: 11/04/2021**