

ICN2 is a renowned research centre. Its research lines focus on the newly discovered physical and chemical properties that arise from the behaviour of matter at the nanoscale.

The Institute promotes collaboration among scientists from diverse backgrounds (physics, chemistry, biology, and engineering) to develop basic and applied research, while seeking out new ways to interact with local and global industry.

It also offers researchers training in nanotechnology, develops numerous activities to promote and enable the uptake of nanotechnology by industry, and promotes networking among scientists, engineers, technicians, business people, society, and policy makers.

ICN2 was accredited in 2014 as a Severo Ochoa Centre of Excellence and is a founding member of the Barcelona Institute of Science and Technology (BIST). The aim of the Severo Ochoa Program, sponsored by the Spanish Ministry of Economy, Industry and Competitiveness, are to identify and support those Spanish research centres that demonstrate scientific leadership and impact at global level.

Job Title: Postdoctoral Researcher in Nanobioelectronics and Biosensors Group

Research area or group: Nanobioelectronics and Biosensors Group

Description of Group/Project:

The focus of this group is on discovering and technological development of the cutting edge nanotechnology and nanomaterials based simple biosensing platforms by employing and controlling their architectures at both nano and macro scales with the objective to link together nano and macro worlds.

Main Tasks and responsibilities:

Assessment and guidance of PhD students as direct work and research over MICROB-PREDICT project topic a) development of new strategies for signal enhancement b) plan and apply strategies for real sample applications including connection with smartphone

Education, Experience, Knowledge and Competences required:

- Education
 - PhD with degree in chemistry/biochemistry/biotechnology/nanotechnology/electrochemistry
- Knowledge
 - English: fluent
 - Spanish: minimum level
 - Good computer skills: microsoft office software
 - Fabrication and application of nanomaterials/ Nanomicrofluidics and lab-on-a-chip technologies/ Paper- and nanopaper-based nanobiosensors/ Biosensors based on graphene/nanomaterials-related materials
- Professional Experience
 - Paper-based biosensor design and development
- Competences
 - Ability to multi-task, cooperation and team management, problem solving skills

Research Career Profile (According to the European Framework for Research Careers):

R2 Recognised Researcher /R3 Established Researcher

Summary of conditions:

- Full time work (37,5h/week)
- Contract Length: 2 years with possible extension depending of funding and success.
- Location: Bellaterra (Barcelona)
- Salary will depend on qualifications and demonstrated experience.
- Salary according to the cost of living in Barcelona.
- Support to the relocation issues.
- Life Insurance.

Estimated Incorporation date: As soon as possible.

How to apply:

All applications must be made via the ICN2 website <https://jobs.icn2.cat/job-openings/163/postdoctoral-researcher-in-nanobioelectronics-and-biosensors-group> and include the following:

1. A cover letter.
2. A full CV including contact details.
3. 2 Reference letters or referee contacts.

Deadline for applications: January 13th.

Equal opportunities:

ICN2 is an equal opportunity employer committed to diversity and inclusion of people with disabilities.