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, always seeking interactions with local and global industry.

ICN2 also trains researchers in nanotechnology, develops numerous activities to facilitate 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 Severo Ochoa Program, sponsored by the Spanish Ministry of Economy and Competitiveness, aims to identify and support Spanish research centres that are among the world's best in their specialty.

Job Title: Postdoctoral Researcher in Advanced Electronics Materials Devices Group

Area or Group of research: Advanced Electronics Materials Devices

Description of Group/Project:
The project will be supervised by Prof. Jose A. Garrido and the work will be performed in the Advanced Electronic Materials and Devices team at the ICN2. The group at the ICN2 has access to CVD growth of 2D materials, state-of-the-art nanofabrication facilities, advanced characterization tools for transistor and electrode arrays, as well as to a cell bioelectronics laboratory. The work will be conducted in the frame of EU Graphene Flagship project, in particular with the WP Biomedical Technologies, which aims at the development of graphene-based technologies for applications in neural interfaces.

Main Tasks and Responsibilities:
- Research on novel graphene-based technologies for applications in the peripheral nervous system.
- Electrophysiological evaluation of the PNS & animal experimentation.
- Biocompatibility study of graphene-based neural interfaces.

Education, Experience, Knowledge and Competences Required:
- Education
    - o PhD in biomedical degrees

- Knowledge & Professional Experience
    - o Training and research experience in neuroscience, electrophysiology of the PNS, electrode-nerve interfaces, histological methods, animal experimentation

Research Career Profile (According to the European Framework for Research Careers):
R3 Established Researcher

Summary of Conditions:

- Full time work (37,5h/week)
- Contract Length: 12 months (renewable)
- Salary will depend on qualifications and demonstrated experience.
- Support to the relocation issues.
- Estimated Incorporation date: 01/03/2017

How to apply:

All applications must be through http://jobs.icn2.cat/job-openings/105/postdoctoral-researcher-in-advanced-electronic-materials-and-devices-group and include:

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

Deadline for applications: 15/02/2017

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