As a flagship research center in nanoscience and nanotechnology, our mission is to open and explore new frontiers of knowledge at the nanoscale, and bring value to society in the form of new understanding, capabilities and innovation, while inspiring and providing broad training to the next generations of researchers. Our values are Commitment, Collaboration and Transformation.

Our research lines focus on the newly-discovered physical and chemical properties that arise from the behaviour of matter at the nanoscale. ICN2 has been awarded with the Severo Ochoa Center of Excellence distinction for three consecutive periods (2014-2018 and 2018-2022 and 2023-2026). ICN2 comprises 19 Research Groups, 7 Technical Development and Support Units and Facilities, and 2 Research Platforms, covering different areas of nanoscience and nanotechnology.

Job Title: Research Engineer

Research area or group: Nanoscience Instrument Development Division

Description of Group/Project:
Within the NFFA.EU PILOT European Project, a versatile, user-friendly electrochemical STM (EC-STM) will be set-up in collaboration with Consiglio Nazionale delle Ricerche (CNR) in Trieste and the Technical University of Munich (TUM). The objective of the project is to extend the range of operando experiments with scanning tunnelling microscopes (STM) to multiphase environments, namely solid/liquid interfaces. To answer a wide range of technical needs for user experiments, an electrochemical microscope will be implemented, to reach high imaging resolution and a great flexibility concerning various electrochemical environments.

Main Tasks and responsibilities:

- Testing of the microscope's components to assure full functionality.
- Installation of the system.
- Adapting the control electronics and software for optimizing user-friendly operation protocols.
- Commissioning of the instrument and perform experiments with the new setup.

Requirements:

- **Education**
  Degree in Physics or Engineering
- **Professional Experience**
  Experience in Scanning Tunneling Microscopy instrumentation and operation is mandatory
- **Competencies**
  Candidates must be able to work independently and should have excellent laboratory skills. Excellent knowledge of English (written and spoken), proactivity, team working and strong communication skills are essential.

Summary of conditions:

- Full time work (37,5h/week)
- Contract Length: Temporary (until 28/02/2026)
- Location: Bellaterra (Barcelona)
- Salary will depend on qualifications and demonstrated experience.
- 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/746/research-engineer-nanoscience-instrument-development-division and include the following:

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

Applications will be continuously reviewed. Shortlisted candidates will be invited for interview.

This contract has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101007417 – NEP.

Equal opportunities:
ICN2 is an equal opportunity employer committed to diversity and inclusion of people with disabilities.
ICN2 is following the procedure for contract of people with disabilities according with article 59 of the Royal Decree 1/2015, of 30 of October.