

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: Specialist Technician

Research area or group: Atomic Manipulation and Spectroscopy

Description of Group/Project:

The main activity consists on the installation and supervision of the optical set-up of an equipment that combines a scanning probe microscope (SPM) that operates in ultra-high vacuum and cryogenic conditions with tip-enhanced photon spectroscopies such as Raman and luminescence, called Photon-SPM hereafter.

Main Tasks and responsibilities:

Set-up, commissioning, and supervision of the optical spectroscopy equipment of the UHV Photon SPM. This includes lasers, spectrometers, detectors, time-resolved measurements.

Requirements:

- **Education:**
Bachelor level background in physics, nanoscience or engineering.
- **Knowledge and Professional Experience:**
Background in optical spectroscopies, experimental physics, instrumentation.
Experience in optical spectroscopies, development of instrumentation and optical set-ups
- **Personal competences:**
Good skills in technical instrumentation, programming for equipment control, data acquisition and analysis.
Proficiency in English, and demonstrated skills in oral and written communication.

Summary of conditions:

- Full time work (37,5h/week)
- Contract Length: Temporary
- Location: Bellaterra (Barcelona)
- Salary will depend on qualifications and demonstrated experience.
- Support to the relocation issues.
- Life Insurance.

Estimated Incorporation date: October 2025

Este contrato es parte del proyecto de I+D+i PID2022-140845OB-C63, financiado por MICIU/AEI/10.13039/501100011033/ y por FEDER, UE; con una dedicación del 100%.



How to apply:

All applications must be made via the ICN2 website 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: 14/08/2025

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.