

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: Group Leader in the field of Quantum Optoelectronics

Description:

ICN2 is actively involved in national quantum initiatives, including the Quantum Communication National Plan, as well as regional efforts such as the Quantum Catalan Academy (<https://cataloniaquantum.eu/>) and the Master in Quantum Science and Technology (<https://quantummasterbarcelona.eu/>). These initiatives contribute to a dynamic ecosystem that fosters talent attraction and retention while supporting the development of new research lines. Our recently established Quantum Synergy Laboratory further reinforces our commitment to pioneering advancements in quantum science.

We are seeking a Research Group Leader with an outstanding record in nanoscience and nanotechnology. The successful candidate will establish an independent research program focused on optical and optoelectronic measurements of advanced quantum materials and devices, with potential applications in photodetection, sensing, communication, or computing. Relevant research areas include quantum photonics, moiré and topological physics, and many-body physics in quantum materials.

Applications are welcome from both senior and junior researchers. Candidates should either hold an ERC Grant (or a comparable prestigious award) or have submitted a strong proposal with a high likelihood of success. International mobility experience is required.

Summary of conditions:

- Full time work (37,5h/week)
- Contract Length: Permanent
- 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/716/group-leader-in-the-field-of-quantum-optoelectronics> and include the following:

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

Deadline for applications: May 31st, 2025.

Online interviews with shortlisted candidates in June/July

Visits of final candidates in September

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.