



Open positions in Quantum Technologies

at the Institute of Microelectronics of Barcelona, IMB-CNM-CSIC

Research assistant or Postdoctoral researcher

Positions are related to the following funded projects in the domain of **Quantum Technologies**:

- Micro-nano fabrication technologies for mitigation of Radiation Effects (MINARE)
- Nanofabrication-Enhanced Superconducting Qubit Quality (NESQQ)
- Hybrid Superconducting nanostructures for qubits & Quantum Technologies (HYBQTECH)
- Quantum Sensing for Dark Matter Searches (QS4DM)

All projects are done in **collaboration with National groups** – QCT-IFAE, UAM, CFM-EHU, INMA, and IFCA.

Interested candidates are expected to have education and training profiles, including:

- Hold **BsC and/or Master in Physics, Electronics, Nanotechnology, etc.**
- Be experienced in **Experimental Techniques, in at least two of the following areas**:
 - Superconducting devices
 - Thin film materials
 - Micro/nanoelectronics processing and device fabrication
 - Microwave quantum coherent control
 - Cryogenics
- Hold a **PhD in Physics, Materials Science, Nanotechnology, Quantum, HEP, etc.**

Applications and requests for further information should be sent to

gemma.rius@csic.es

Interested researchers should include an **updated CV** and a **letter of intent or motivation**. Arrangement of **2/3 letters of recommendation** is welcome.

The appointments are offered for at least **1 year and up to 2/3 years**, upon agreement.

Support and assessment for further career development can also be provided.

Proposed start of the appointment: **Fall 2023**

Closing date: Open until the positions are filled

