



Institute of Microelectronics of Barcelona IMB-CNM (CSIC)
C/- dels Til·lers, S.N., Campus UAB | 08193, Cerdanyola del Vallès
<https://www.imb-cnm.csic.es> | rrhh@imb-cnm.csic.es
+34 93 594 7700

Process Development Engineer

The IMB-CNM is the largest institute in Spain dedicated to the research and development of Micro and Nano Technology and microsystems and with unique capabilities in silicon technology. It belongs to CSIC since its foundation in 1985 and is distinguished with the AEI María de Maeztu Unit of Excellence accreditation.

The main activities of IMB-CNM are basic and applied research and development, education and training in micro and nanotechnologies, components and systems. Its mission is to improve knowledge and contribute to the implementation of solutions based on these technologies in new products to solve societal challenges.

The post emerges in the framework of an Internationally funded research project to work in the development of new advanced technologies for the cooling of sensors and circuits, together with the heterogeneous integration of microelectronic systems for Particle Physics and other applications

Key Responsibilities

The activity will focus on the development of new technological processes (silicon and glass etching, wafer bonding, metal lining, wafer thinning and polishing, ...), setting up and operation of advanced processing equipment, clean room microelectronics fabrication, electrical/physical/chemical characterization, or technology optimization.

Required Skills

Candidates should have a bachelor's degree or engineer title in Chemistry, Material Science, or Physics, preferably with a Master degree. It is required that the candidate has interest in working in a very technological environment with "hands-on" operation on advanced equipment and complex processes. Aptitudes to work both within a team and independently, as well as the initiative to assume responsibilities in technological tasks are needed for this post.

Experience

Previous experience working in a fabrication clean room environment and process development will be appreciated

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Job Conditions

- Full time contract (37,5 hours/week)
- Indefinite contract
- Trial period of 3 months
- Salary according to qualifications, proven experience and CSIC conditions
- Estimated start date: December 2024

The person hired will be working in the Radiation Detectors Group (RDG) of the Institute of Microelectronics of Barcelona - National Microelectronics Center (IMB-CNM) of the CSIC, located at the Bellaterra Campus of the UAB (Cerdanyola del Vallès).

How to Apply

Applications should be submitted to miguel.ullan@csic.es stating the job title as the Subject of the message. The mail should include a cover letter and an updated CV.

Sending CVs to the above address implies consent to the Legal Advice | IMB CNM (csic.es).

Deadline for applications: End of December 2024

This offer can be found on: <https://www.imb-cnm.csic.es/en/about-center/careers/open-positions>.

More information on IMB-CNM: <https://www.imb-cnm.csic.es/en/>