

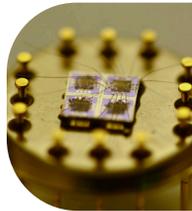
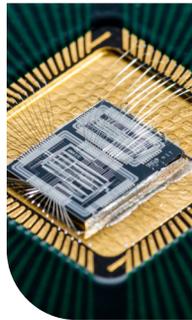
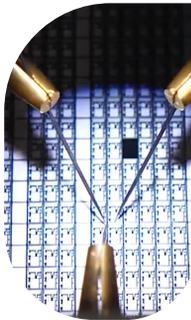


The Institute of Microelectronics of Barcelona

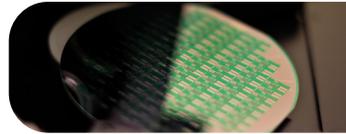
The Institute of Microelectronics of Barcelona (IMB-CNM, CSIC) is the Spanish reference in micro and nanotechnologies oriented towards scalable electronic applications. It is a Maria de Maeztu Unit of Excellence with a staff of about 200 people that pursues a multidisciplinary RDI activity. Belonging to the Spanish National Research Council (CSIC), the institute celebrates its 40th anniversary in 2025.

We do research, we make chips!

IMB-CNM aims to generate knowledge and disruptive devices at the forefront of miniaturization technologies that sustain the interaction of the physical and digital worlds, while contributing to a sustainable economic and social development. In an innovation-friendly environment, IMB-CNM explores and exploits developments for a wide set of applications. Deploying microdevices in so diverse scenarios—including within living cells, at the ATLAS experiment at CERN, and on space missions—sets us apart in the field.



The Micro and Nanofabrication Clean Room



IMB-CNM manages the largest research Clean Room (CR) in the country (1500 m²), an open micro and nanofabrication facility labeled as a Unique Science and Technology Infrastructure (ICTS), which flexibly accommodates different materials (silicon, wide bandgap semiconductors, 2D materials, and polymers/paper) and technologies (microelectronics, MEMS/NEMS, photonics, and quantum).

- Class: 100 – 10,000 (ISO 5-7)
- Wafers: 100 mm / 150 mm
- Yearly processed wafers: 4,000 / 4,500 wafers
- Equipment: about 150 tools
- Class 1.000 Packaging CR



Research Applications

- Energy and Mobility
- Health and Environment
- Physics Frontiers and Civil Security

Technology Transfer

- 71 priority patent applications
- 5 Trade secrets
- 14 spin-offs

Internationalization

- 63 International PCT applications
- 35 patent families extended in 88 countries

People

- Staff: 200
- Women 31% Men 69%
- Research staff: 100

Institute of Microelectronics of Barcelona
Where Small becomes Great

