

Job Offer

Sensor development for smart appliances

The Chemical Transducers Group is involved in the development of a new sensor for the monitoring of washing process in the frame of a collaboration project with a large multinational company.

The selected candidate will carry out tasks including Finite Element Analysis Simulations of Impedimetric/Electrochemical sensors (Comsol), design and fabrication of microstructures, and laboratory characterization and measurements, as well as writing reports for the company.

Requirements/Background and skills

Degree in Engineering, Physics, Chemistry or similar at Bachelor, Master, or PhD levels.

Excellent communication skills in English.

Previous experience on the topics of this contract will be positively considered but are not essential.

Description of the Group

The selected candidate will join the Chemical Transducers Group at the Barcelona Institute for Microelectronics (<https://www.imb-cnm.csic.es/en/research/research-groups/chemical-transducers-group-gtq>). IMB-CNM facilities includes cutting-edge technology for device fabrication and characterization.

Summary of conditions

- Full time contract (37,5 hours/week)
- Indefinite contract. The project has a duration of 1 year. After this period the project may be renewed for a longer time or the contract could be associated to other projects.
- Trial period of 3 months
- Salary according to qualifications, proven experience and CSIC conditions
- Estimated start date: January 2025
- Great opportunity to work on a I+D collaboration between academia and industry.

How to apply

All applications must be sent to antoni.baldi@imb-cnm.csic.es and cesar.fernandez@csic.es.

Applications must include: CV and a short motivation letter. Reference letters will be appreciated.

- 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/>