

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 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:** Research Support Technician

**Research area or group:** Advanced Electronic Materials and Devices

**Description of Group/Project:**

The Advanced Electronic Materials and Devices (AEMD) group focuses on the material sciences and technology aspects of novel electronic materials, with a strong emphasis on graphene as well as other 2D materials (MoS<sub>2</sub>). The group also works towards the development of technological applications based on these materials such as electronics, bioelectronics and biosensing, neural interfaces, etc.

The activities cut across different scientific aspects, from the fundamentals (the physics of devices and semiconductors) to materials (growth of graphene and MoS<sub>2</sub> materials by CVD and MOCVD, surface functionalisation, advanced characterisation), through to devices (fabrication technology, nanofabrication) and applications (neural implants and biomedical technologies, biosensors, flexible electronics).

**Main Tasks and responsibilities:**

The candidate will contribute to the technological improvement of 2d-based neural interfaces. The successful candidate tasks will include 2d material characterization, microfabrication processes, electronic components assembly, electrical and electrochemical characterisation of devices and data management.

**Requirements:**

- **Education:**  
CFGS or equivalent  
Solid state and device Physics courses
- **Knowledge and Professional Experience:**  
Hands-on experience in electronic testing.  
Experience in programming (Python, Matlab) and data processing.  
Fluent English both spoken and written.
- **Personal Competences:**  
Teamwork skills

**Summary of conditions:**

- Full time work (37,5h/week)
- Contract Length: Temporary (Until 30/06/25)
- 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

The research activity of the candidate will be part of the BrainGraph project (PLEC2022-009232) financiado por MCIU/AEI /10.13039/501100011033 y por la Unión Europea NextGenerationEU/ PRTR.



### How to apply:

All applications must be made via the ICN2 website and include the following:

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

Deadline for applications: 17/10/2024

### 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.