

The mission of the Catalan Institute of Nanoscience and Nanotechnology (ICN2) is to achieve the highest level of scientific and technological excellence in Nanoscience and Nanotechnology. Its research lines focus on the newly-discovered physical and chemical properties that arise from the behavior of matter at the nanoscale. ICN2 has been awarded with the Severo Ochoa Center of Excellence distinction for two consecutive periods (2014-2018 and 2018-2022). 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 Assistant

Research area or group: Thermal transport in amorphous 2D materials

Description of Group/Project:

A Research Assistant position is available in the Phononic and Photonic Nanostructures (P2N) group (<http://www.icn.cat/~p2n/>) laboratory led by Prof. Clivia M. Sotomayor-Torres, at the Catalan Institute of Nanoscience and Nanotechnology (www.ICN2.cat). The exciting research program in the ICN2 provides excellent opportunities for career development in Nanoscience and Nanotechnology. The P2N Group carries out research in nanoscale heat transport in semiconductor, organic and oxide nanostructures, phonon confinement, opto-mechanics, nanofabrication and nanometrology.

Main Tasks and responsibilities:

The candidate will join the new team of the project MINERVA which is a new FLAG-ERA project on MAKING NEW ELECTRONIC DEVICES FROM AMORPHOUS MATERIALS, and become part of them.

This contract is part of the project PCI2021-122092-2A funded by MCIN/AEI/10.13039/501100011033 and by European Union "NextGenerationEU/PRTR". The candidate will join a dynamic team working at the leading edge of 2D materials development.

The candidate will contribute to design and development of the thermal characterization tools for 2D materials, analysis and interpretation of data, preparation manuscripts and dissemination of results at national and international meetings. The candidate will take an active part in the project, participate in the meetings and preparation of deliverables.

We offer the possibility of enrolling for a PhD.



Requeriments:

- **Education**

A MSc degree title in Physics, Material Science or similar.

- **Knowledge and professional experience**

Strong background in solid state physics, optics and mathematics. Hands-on experience in optical characterisation techniques would be an asset.

Candidates must be able to possess good command of both written and spoken English.

- **Competences**

Applicants should have good organisational skills and be able to work independently.

Summary of conditions:

- Full time work (37,5h/week)
- Contract Length: Temporary (36 months)
- Salary will depend on qualifications and demonstrated experience.
- Support to the relocation issues.
- Life Insurance.

Estimated Incorporation date: 1st February 2022

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. Transcript of records (Undergraduate and Master degree)
4. 2 Reference letters or referee contacts.

Equal opportunities:

ICN2 is an equal opportunity employer committed to diversity and inclusion of people with disabilities.