ICN2 is a renowned research centre. Its research lines focus on the newly discovered physical and chemical properties that arise from the behaviour of matter at the nanoscale.

The Institute promotes collaboration among scientists from diverse backgrounds (physics, chemistry, biology, and engineering) to develop basic and applied research, while seeking out new ways to interact with local and global industry.

It also offers researchers training in nanotechnology, develops numerous activities to promote and enable the uptake of nanotechnology by industry, and promotes networking among scientists, engineers, technicians, business people, society, and policy makers.

ICN2 was accredited in 2014 as a Severo Ochoa Centre of Excellence and is a founding member of the Barcelona Institute of Science and Technology (BIST). The aim of the Severo Ochoa Program, sponsored by the Spanish Ministry of Economy, Industry and Competitiveness, are to identify and support those Spanish research centres that demonstrate scientific leadership and impact at global level.

Job Title: Research Engineer for studying heat transport in 2D materials

Research area or group: Ultrafast Dynamics in Nanoscale systems

Description of Group/Project:
The research group on "Ultrafast Dynamics in Nanoscale systems" has openings for highly motivated Research Engineers to work within the ERC project "CUHL – Controlling Ultrafast Heat in Layered materials". The goal of this project is to understand and control nanoscale thermal transport in novel material systems based on layered materials. Thermal transport plays a crucial role in applications such as thermal management and thermoelectrics. The group employs state-of-the-art ultrafast optical techniques and fabrication methods using 2D materials.

Education, Experience, Knowledge and Competences required:
Minimum requirement is a M.Sc. degree in a relevant subject (physics, chemistry, material science, photonics). Experience with nanofabrication and/or 2D materials is a big plus.

Summary of conditions:

- Full time work (37,5h/week)
- Contract Length: 2 years.
- Salary will depend on qualifications and demonstrated experience.
- Salary according to the cost of living in Barcelona.
- Support to the relocation issues.
- Life Insurance.

Estimated Incorporation date: End of 2018.

How to apply:
All applications must be made via the ICN2 website http://jobs.icn2.cat/job-openings/149/research-engineer-for-studying-heat-transport-in-2d-materials and include the following:

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

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