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: Postdoctoral Researcher

Research area or group: Supramolecular Nanochemistry and Materials

Description of Group/Project:

The **Supramolecular NanoChemistry and Materials Group (NANOUP)** is focused on controlling the supramolecular assembly of molecules, biomolecules and nanoscale building blocks at the nanometer scale for the design of novel functional architectures and devices. The group is looking for a Postdoctoral Researcher to participate in the development of a European project (ERC Advanced Grant) related to the **Design and Synthesis of New Materials via Programmable Disassembly of Reticular Materials (Clip-off Chemistry)**.

Main Tasks and responsibilities:
- Rational design and study of reticular materials (MOFs, COFs and/or MOPs).
- Synthesis and characterization of reticular materials.
- Clip-off synthesis of new materials/compounds using these reticular materials as precursors. - Sorption studies of reticular materials.
- Participation in writing scientific reports and papers, attending project meetings and scientific conferences, and in outreach activities within the project.
- Supervision of PhD students.

Requirements:

- **Education:** PhD Degree in Chemistry
- **Professional Experience:**
  - Topology analysis of reticular materials.
  - Reticular Chemistry: design, synthesis and characterization of MOFs or COFs
- **Personal Competences:**
  - Fluent in English, good communication and writing skills
  - Intrinsic motivation, strong commitment, responsibility, independence, teamwork skills.

Summary of conditions:

- Full time work (37,5h/week)
- Contract Length: 2 months

- Location: Bellaterra (Barcelona)
- Salary will depend on qualifications and demonstrated experience.
- Support to the relocation issues.
- Life Insurance.

Estimated Incorporation date: July 2024

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: 20/07/2024

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.