

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, 2018-2022, 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 (2 positions)

Research area or group: Supramolecular Nanochemistry and Materials Group (NANOUP)

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), with special attention to metal-organic cages or polyhedra - Synthesis and characterization of reticular materials.
- 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.

Requeriments:

- **Education**
PhD Degree in Chemistry
- **Knowledge, professional experience**
Reticular Chemistry: design, synthesis and characterization of MOFs or COFs.
Skills in organic syntheses.
Skills in photochemistry
- **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: Temporary (1 year)
- Support to the relocation issues.
- Life Insurance.

Estimated Incorporation date: January 2024

Deadline for applications: 31 December 2023

Funded by the European Research Council (ERC) in the framework of the H2020 Research and Innovation Programme (ERC AdG; GA 101019003 CLIPOFF-CHEM)



How to apply:

All applications must be made via the ICN2 website <https://jobs.icn2.cat/job-openings/557/postdoctoral-researcher-2-positions> and include the following:

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

Applications will be continuously reviewed. Shortlisted candidates will be invited for interview.

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.