

Postdoctoral position on Nanoporous Materials

The Department of Inorganic Chemistry at Universidad Autónoma de Madrid (UAM) invites applications for one postdoctoral position to work on structural studies of **functional nanoporous materials using advanced X-ray synchrotron characterization tools**.

This is a postdoctoral position funded by Spanish Ministry of Science and Innovation, through the prestigious “**Europa Excelencia 2020**” programme, awarded to Dr. Platero-Prats. The goal of this research is to apply **Pair Distribution Function (PDF) analyses** to follow chemistry and catalysis on functional nanoporous materials.

We are a young group looking for enthusiastic researchers interested in mechanistic aspects related to functional porous materials.

Your Tasks:

- Structural characterization of functional nanoporous frameworks.
- To perform total X-ray scattering experiments at synchrotron facilities and to analyse the experimental data against structural models.
- Collaborative work with experimental and theoretical groups.
- Publication of results in scientific journals and presentation in conferences.

Your Qualifications, Experience and Skills:

- Compulsory:
 - o Being in possession of an official Ph.D. in Chemistry, Chemical Engineering, Material Science, or equivalent.
 - o Fluent oral and written communication skills in English.
 - o Knowledge and experience of X-ray crystallography and/or diffraction.
- Advantageous:
 - o Knowledge and experience of synchrotron experiments.
 - o Knowledge of covalent- or metal-organic frameworks.
 - o Previous international experience (pre- or postdoctoral).

To receive full consideration, applicants should send their Curriculum Vitae, full contact details of at least 2 persons who can provide references and cover letter, before January 18th 2021 to the following address: ana.platero@uam.es