

PREDOCTORAL RESEARCH POSITION IN HIGH-PERFORMANCE COMPUTING AND NEUTRON SCIENCE FOR MATERIALS DISCOVERY

Materials Physics Center (Donostia / San Sebastián)

The Centro de Física de Materiales – Materials Physics Center is offering a predoctoral position (1+1+1 years) to work across the research groups of Dr. Pedro B. Coto and Prof. Félix Fernández Alonso to develop novel materials for energy applications. The candidate, together with a multi-disciplinary team, will use *ab-initio* methods, molecular-dynamics simulations, machine-learning and deep-learning approaches, inelastic neutron scattering and diffraction, and thermophysical measurements to explore and design novel materials for energy conversion and storage.

The positions will be funded by MCIN and by the European Union NextGenerationEU/PRTR-C17.I1, as well as by IKUR Strategy under the collaboration agreement between Ikerbasque Foundation and DIPC on behalf of the Department of Education of the Basque Government.

The selected candidate will be hired by the Research Association MPC - Materials Physics Center. The salary will be of 17.398,20 euros during the first year before taxes.

Candidates **must hold an MSc degree or equivalent** in chemistry, physics, materials science, or related discipline. Expertise and dexterity in contemporary programming languages will be positively evaluated. Exposure and/or demonstrated hands-on-experience in radiation-scattering, spectroscopic techniques (photon, neutron, etc.) or computational materials modelling would be an asset.

Suitable candidates can apply for this position sending by email to jobs.cfm@ehu.eus the following information **before 28th of February** with the subject label “**Predoc CFM-HPC-Neutron**”:

- 1- An updated Curriculum Vitae detailing track record to date and including a full list of publications. ([75]%)
- 2- A presentation letter with declaration of interests (max. 1 page). ([25]%)

General enquiries or questions about this position should be submitted by email to: jobs.cfm@ehu.eus with the subject label “Predoc CFM-HPC-Neutron”.

ASOCIACION DE INVESTIGACION MPC, as the data controller, informs you that your data is collected for the following purposes: Management of the employees and of the data of the candidates for the positions offered by the centre and publication of the data of the names and surnames selected and of the persons on the waiting list on the Association's website. The legal basis for the processing is the consent of the data subject. Your data will not be passed on to third parties unless legally obliged to do so. Any person has the right to request access, rectification, deletion, limitation of processing, opposition or the right to portability of their personal data by writing to us at our office address, or by sending an e-mail to mpc@ehu.eus, indicating the right they wish to exercise. You can obtain further information on our website: <https://www.bercmopc.org/index.php/en/privacy-policy>