

Company Description

CIC nanoGUNE is a research center devoted to conducting world-class nanoscience research for a competitive growth of the Basque Country. NanoGUNE is a member of the Basque Research and Technology Alliance (BRTA) and is recognized by the Spanish Research Agency as a Maria de Maeztu Unit of Excellence. The Nanomaterials group, led by Prof. Mato Knez, is looking for a Post-doctoral Researcher. The Nanomaterials group research is focused on the synthesis and functionalization of materials. Its research programme has been divided into thin-film coating, hybrid inorganic-organic materials, and bio-organic nanomaterials. More information can be found at <https://www.nanogune.eu/nanomaterials>

Information

 **Deadline:** 2021-05-11
 **Category:** Business
 **Province:** Gipuzkoa

 **Country:** Basque Country
 **City:** Donostia / San Sebastián

Company

CIC nanoGUNE



Main functions, requisites & benefits

Main functions

Within the Project the new coworker will learn and apply thin film coating of inorganic materials and hybridization of inorganic with organic materials by vapor phase infiltration to functionalize a variety of technologically relevant substrates. The approaches will involve gas phase deposition methods, in particular atomic layer deposition (ALD), as well as characterization by mechanical testing, microscopy, spectroscopy, and diffraction methods. The substrates will include polymeric fibers, textiles, and further polymeric substrates. The work will require good interaction with coworkers within the research group "Nanomaterials" and other groups at CIC nanoGUNE as well as with the external partners, thus communication skills are of importance.

Requisites

The successful candidate should have: PhD in Chemistry, Physics, or any related field. A strong interest in a multidisciplinary work. Although not compulsory, the following points will be considered: Experience in one or multiple of the above-mentioned processing and/or characterization techniques. Good hands on experimental work, and cooperative attitude to work in a team. Self-motivation and willingness to perform independent research.

Benefits

An international and competitive environment, state-of-the-art equipment, and the possibility to perform research at the highest level. A teamwork in a diverse and inclusive environment and welcome all kinds of applicants regardless of age, disability, gender, nationality, race, religion, or sexual orientation. The position is expected to start as soon as possible and go for a total of up to 12 months in the Nanomaterials group. The contract will be funded within the framework of a regional collaboration (ELKARTEK) with a technological center and an industrial partner.

