

Company Description

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 María de Maeztu Unit of Excellence.

Information

 **Deadline:** 2024-02-22
 **Category:** Academia
 **Province:** Gipuzkoa

 **Country:** Basque Country
 **City:** Donostia

Company

CIC nanoGUNE



Main functions, requisites & benefits

Main functions

The position is offered in the Nanomaterials Group, led by Knez, Mato (m.knez@nanogune.eu). The activity of the Nanomaterials group 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>. The Nanomaterials Research Group of CIC nanoGUNE has a strong focus on vacuum based thin film deposition methods. The group has an immediate opening for a PhD Student to design, synthesize, and optimize inorganic-organic hybrid formulations to preserve cultural heritage. To process design and materials development. To report results in project meetings and develop strategies for optimization of processes. To process optimization and contribute to testing.

Requisites

We seek a candidate who is both motivated and innovative, boasting a solid background in materials science/engineering, chemical, physical, or related background and skills in materials fabrication and characterization. The project's primary focus will be on developing protective coatings for cultural heritage sites, emphasizing strength, toughness, durability, and compatibility with building materials. Prior experience with the prospective candidate in vapor phase processing, thin film coating, and physicochemical characterization are considered beneficial. Educational Qualifications: Suitable scientific education, a master's degree (or equivalent university degree) in materials science/engineering, chemistry, physics, or similar. Technical Experience: Hands-on experience in one or more of the following techniques is beneficial for the position: ALD, CVD, FTIR, SEM-EDX, powder processing, XRD, XRR. Personal Attributes: We look for a talented, motivated, and enthusiastic researcher. Analytical skills, initiatives, and creativity are highly desirable. Passion for Research: Naturally curious who is eager to learn more and has a strong interest in research. Communication Skills: Excellent English communication skills for work in a dynamic and international environment. Research Interests: Passionate about research in cultural heritage, specifically in its conservation and restoration. The position is expected to start in 01/04/2024.

Benefits

We promote teamwork in a diverse and inclusive environment and welcome all kinds of applicants regardless of age, disability, gender, nationality, race, religion, or sexual orientation.