

Company Description

BCMaterials, Basque Center on Materials, Applications and Nanostructures, is an autonomous research center launched in June 2012 by Ikerbasque, the Basque Foundation for Science and the University of the Basque Country (UPV/EHU) as a research center for Materials, Applications and Nanostructures. The Center is included in the BERC's (Basque Excellence Research Centers) Network, and its mission is to generate knowledge on the new generation of materials, turning this knowledge into (multi)functional solutions and devices for the benefit of society.

Information

 Deadline: 2022-10-16
 Category: Academia
 Province: Bizkaia

 Country: Basque Country
 City: Leioa

Company

BCMaterials



Main functions, requisites & benefits

Main functions

We are looking for pre-doc candidates in the area of materials engineering and emerging solar cells. The hired researcher will work to stabilize and optimize the interface and develop perovskite solar cells. The work will be carried out at BCMaterials and will enjoy collaboration with the leading research groups. The starting date is as soon as possible, and a competitive salary will be paid and is at par with other EU scientific establishments. The hired researcher will work on a Nationally-funded research project, aiming to develop new thin-film solar cells technology which is beyond silicon. Opportunities to collaborate with other groups and industry exists.

Work Program / Duties / Responsibilities

A full-time pre-doctorate position exists for researchers within the research domain of emerging solar cells in a cutting-edge research group at BCMaterials and the doctorate will be awarded by the University of Basque Country. BCMaterials is an independent research center, active in functional materials located near Bilbao in the Basque Country, north of Spain. The pre-doctorate candidate will be responsible for laboratory experiments, fulfilling the project objectives, interacting with collaborative partners, and result dissemination. Writing reports, and scientific articles on the research results. For the successful candidate, the position represents an excellent opportunity to develop both a collaborative and personal scientific research career, exploiting the capabilities of energy materials, semiconductors, and photovoltaics.

Requisites

The candidate must have Master's degree or equivalent in Materials Science, Chemistry, Physics or related areas. A very high level of motivation and independent thinking abilities. Ability to track the recent relevant literature and keep an eye on scientific updates. Proficiency in English, good interpersonal, and presentation skills, being a team player, and the ability to meet deadlines are also required.