




## 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. The BCMaterials (Basque Center for Materials, Applications & Nanostructures), opens the call to develop the PhD thesis at our center in collaboration with Professors of the University of the Basque Country (UPV/EHU). We will offer three years PhD grants to develop a research project within the five strategic research areas of the center: 1.- Active and smart materials 2.- Advanced functional materials 3.- Functional surfaces and coatings 4.- Micro and nano-devices 5.- Nanostructured materials Within this frame, the BCMaterials is currently researching an ample diversity of materials, surfaces and devices processing, which fundamental understand and modification allows modifying or combining different physic and chemical properties towards their application in research fields such as Advance Manufacturing, Biomedicine, Energy or Environment.

## Information

 Deadline: 2019-09-30  
 Category: Business  
 Province: Bizkaia

 Country: Basque Country  
 City: Leioa

## Company

BCMaterials



## Main functions, requisites & benefits

### Main functions

#### Introduction and main description

We are looking for a candidate at the pre-doctoral level, in the field of chemistry, materials science, physics or chemical engineering. The project will be focused on identifying new materials through simulation and its validation through experimental means. The work will be carried out at BCMaterials and possibility to collaborate with leading researchers. The starting date is as soon as possible, competitive salary with great opportunity for progress in scientific career and learning will be provided. Interview for ideal candidates will be conducted soon after the deadline.

### Requisites

#### Skills and Requirements

A pre-doc position for 1 year, exists for a researcher within the research domain of Materials Science in a cutting edge research group at BCMaterials. BCMaterials is an independent research centre, active in functional materials located in Leioa (Bilbao) in the Basque Country, north of Spain.

The pre-doc will be responsible for theoretical simulations as well as laboratory experiments, fulfilling the project objectives, result dissemination (writing scientific articles & congress attendance). For the successful candidate, the position represents an excellent opportunity to develop both collaborative and personal scientific research career, exploiting the capabilities of advanced functional materials, materials chemistry and energy related research.

#### Work Program / Duties / Responsibilities

#### The position requires

- A very high level of motivation and independent thinking abilities.
- Previous research experience in materials science / chemistry / physics / renewable energy will be an asset and will be given preference.
- Result presentations and publications record
- Proficiency in English, good interpersonal, presentation skills and able to meet the deadline are also required.

