

## Company Description

BCMaterials is an autonomous research center that covers all aspects of research in Functional Materials with advanced Electric, Magnetic and Optical properties; from basic aspects to applications. Special activity is devoted to thin films materials and characterization techniques involving Large International Facilities, like neutron and synchrotron radiation sources.

## Information

 **Deadline:** 2018-12-10  
 **Category:** Business  
 **Province:** Bizkaia

 **Country:** Basque Country  
 **City:** Leioa

## Company

BCMaterials



## Main functions, requisites & benefits

### Main functions

A number of technologies, from biomedical applications, energy generation and storage to sensors and actuators rely on the development of composites in which a specific materials are functionalized with micro/nanoparticles, providing tailored responsive properties.

BCMaterials is searching for motivated postdoctoral Researchers for one year research and development in the following areas:

- synthesis and characterization of metal organic frameworks;
- development of separator membranes and solid electrolytes for energy storage applications;
- electroactive and magnetoactive materials, micro devices and sensing applications.

The materials will be prepared and characterized, the functional signals optimized and the ones with the best performance will be evaluated for implementation into devices.

### Work Program/Duties/Responsibilities

A one year full-time positions for postdoctoral researchers in multifunctional and smart materials for advanced applications in BCMaterials, an independent research centre in active and multifunctional materials located near Bilbao in the Basque Country, north of Spain.

Materials with the prepared and characterized, the functional signals optimized and the materials with the best performance will be evaluated for implementation into devices.

For the successful candidate, the position represents an excellent opportunity to develop both collaborative and personal scientific research exploiting the capabilities of functional materials preparation, processing, characterization and applications of BCMaterials, under the supervision of internationally recognized scientists.

### Contacts and Communication

The successful candidate will interact extensively with other researchers in the group, as well as with researchers from other partners of the international collaborations of the BCMaterials. External representation will involve secondments/visits in other research organizations, as well as presentations of their scientific work at the project meetings and scientific conferences.

### Requisites

#### Personal Skills and Attributes

The position requires

A motivated candidate with a PhD in Materials Science, Physics, Chemistry or related areas