




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: 2020-08-13
 Category: Business
 Province: Bizkaia

 Country: Basque Country
 City: Leioa

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**Main functions, requisites & benefits****Main functions**

The Candidate will be responsible for laboratory experiments, fulfilling the project objectives, result dissemination (writing scientific articles). To participate in shared tasks includes running of the laboratory. The successful candidate will collaborate with other researchers in the group, as well as with project partners. The project will mainly build on designing new organic/inorganic semiconducting materials synthesis and its integration in device fabrication.

Requisites

The Candidate must have a Degree or a Master Thesis in the areas of physics, chemistry, materials science or equivalent. Proficiency in speaking and writing in English is also required. Strong track record in publications. Self-motivated and ability to work in a team and willing to coordinate the research in a particular topic. A high level of motivation and independent thinking abilities. Previous research experience and/or a Master Thesis in related areas of knowledge will be an asset and will be given preference. Presentation skills and able to meet the deadline are also required.

Benefits

We offer a one-year PRE-DOCTORAL position in the field of synthetic materials chemistry for energy applications. The work will be carried out at BCMaterials and will enjoy collaboration with world leading research group, moreover short stays at collaborative partners will also be supported. The starting date is as soon as possible, competitive salary with great opportunity for progress in scientific career and learning will be provided. 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. We will offer three years PhD grants to develop a research project within the five strategic research areas of the center: Active and smart materials Advanced functional materials Functional surfaces and coatings Micro and nano-devices 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. <https://www.bcmaterials.net/research-lines-and-areas/>