

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:** 2019-05-15
 **Category:** Academia
 **Province:** Bizkaia

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

Company

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Main functions, requisites & benefits

Main functions

The work program for the PhD students will cover different experimental or computational work-packages to be defined once selected the research areas of interests by the student jointly with the PIs of the BCMaterials and the University of the Basque Country. In addition, the formation, dissemination and communication strategy will be set from the beginning of the grant. The PhD student duties and responsibilities include: To acquire any new skills required as part of the project To maintain frequent and regular contact with the supervisors To commit adequate time and effort to the project To fulfil tasks required by the supervisors as part of the project To meet the normal scholarly and professional standards required by their discipline To start writing their thesis as early as is practicable To attend and present papers at conferences and publish sections of the work where appropriate under the guidance of their supervisors

Requisites

The candidate must have his/her Master Degree completed before the incorporation.

If you have completed or you will complete the Master thesis during 2019, cheer up and send us your CV and a motivation letter pointing your research area of interest.

Consider that the BCMaterials is not only a research center focused on Material Science, the center also focus great part of the work on their processing, as well as the exploration of their potential applications in other research areas within the experimental and theoretical science (e.g. Biology, Engineering, Electronics, Environmental Remediation)..., so in the selection process will be taken into consideration profiles that are not exclusive of Materials Science.

