

**Company**  
**Description**

Fundación Biofísica Bizkaia (FBB) is a centre of excellence which focuses on fundamental and translational biophysics research and offers a highly collaborative culture  
<https://biofisika.org/> Accredited as a Basque Excellence Research Centre (BERC), it provides outstanding shared facilities for advanced biophysical and structural biology approaches in a new research building in the main Leioa campus of the UPV/EHU. All its resources are focused on the Basque Centre for Biophysics, a joint research centre of the UPV/EHU and the Spanish National Research Council (CSIC).

**Information**

 Deadline: 2020-08-30  
 Category: Academia  
 Province: Bizkaia

 Country: Basque Country  
 City: Leioa

**Company****Basque Centre for Biophysics****Main functions, requisites & benefits****Main functions**

Ideal candidates will be willing to learn and apply the techniques frequently used at the lab, self-taught new ones and new concepts, propose new ideas, attend international meetings to present their work and be in the disposition to start a research career. Also, to keep a well-organized record of the research which will present at regular meetings with the PI. This is an exciting nanotechnology-biotechnology project that lies at the interface of biology, chemistry and physics. Barcodes are frequently used to make processes faster, cheaper and more efficient. Any large endeavor requires their use, from Amazon to diagnostic tests at central facilities. This project aims to generate the smallest and more efficient barcode system to date using detectors capable to read barcodes made up of a single molecule. This will be used in next-generation health diagnostic platforms, capable of measuring hundreds of components from a single drop of blood. This position for a candidate is available in the group led by Dr. David Rodriguez-Larrea and funded by MINECO, the Basque Government and the University of the Basque Country. It also holds a collaboration with one of the brightest nano-biotechnology companies, Oxford Nanopore Technologies.

**Requisites**

The candidate should have a Graduate Degree in Biotechnology, Biology, Biochemistry, Chemistry or Physics (Science Degree). Successful candidates will have a strong CV, and must feel passion for science.

**Benefits**

Our group publishes in high impact journals (Science, Nat. Nanotechnology, Nat. Biotechnology, Nat. Communications, Nat Methods,...) and produces patents that are actually licensed to companies. The candidate must commit, in her/his own benefit, to reach a high level of excellence.