
 <small>osasun ikerketa institutua instituto de investigación sanitaria</small>	PhD Candidate in Biomedicine	Referencia:	IKERBASQUE/R F/2019/001	 <small>HR EXCELLENCE IN RESEARCH</small>
		Fecha:	01/11/2020	

Job Description:

- The Neurosciences area of Biodonostia Health research institute (HRI) is looking for a **PhD Student candidate to apply for predoctoral fellowships** from public and private research organizations.
- The PhD project will characterize **misregulation of RNA-processing in health and human diseases** and will develop **antisense RNA-therapies and RNA-targeting CRISPR-Cas systems to develop personalised therapeutic strategies**.
- The project will involve **molecular and cell biology techniques** (RNA isolation, standard and real-time RT-PCR, cloning, western-blot, immunofluorescence, transfection and transduction with lentiviral and AAV recombinant vectors), **high-throughput technologies** (i.e. RNA-seq, targeted RNA-seq, individual nucleotide crosslinking and immunoprecipitation (iCLIP), generation of **patient derived cellular disease models**, , **genome and transcriptome editing** with CRISPR-Cas systems and antisense oligonucleotides and **bioinformatics** (analysis of high-throughput technologies, CRISPR-gRNA design, computational tools to study genetic mutations, etc.).
- The PhD student will be located in the '**RNA-processing and therapeutics**' group, led by **Dr. Lorea Blazquez**, an Ikerbasque and Ramon y Cajal Research fellow (<https://orcid.org/0000-0003-2885-3286>). The lab is located within the Neurosciences area of Biodonostia Health Research Institute (<http://www.biodonostia.org/en/>).

COMPETENCIAS NECESARIAS PARA EL PUESTO DE TRABAJO (REQUISITOS EXIGIDOS):

FORMACIÓN/EXPERIENCIA/APTITUDES

- A **BSc degree** in Biology, Biotechnology, Pharmacy, Medicine, etc., with a finished or ongoing **MSc degree** in Biological Sciences or Biomedicine.
- **Academic record of the BSc degree** (not including MSc degree) higher than 7.5 in a scale of 10.

COMPETENCIAS DESEABLES/VALORABLES PARA EL PUESTO DE TRABAJO:

- We will consider **previous experience** in molecular biology and **publications and communications to scientific meetings** will be positively evaluated.
- **Good communication skills in English** will be appreciated.
- A **disability certificate equal or higher than 33%** will be considered.

CONDICIONES CONTRACTUALES:

- The candidate will apply **for predoctoral fellowships from public and private research organizations** (i.e. Basque predoctoral fellowship program, Formacion de profesorado Universitario (FPU), Carlos III Health Research Institute (ISCIII), University of the Basque Country, etc.), supported by the research group and the host institute.
- Type of contract: Temporary, full-time (35h/week from 9h to 14h and from 15h to 17h).
- Envisaged Starting date in 2021

DATOS DE CONTACTO:

For any doubt please contact Human Resources, rrh@biodonostia.org, or the group leader, Lorea Blazquez lorea.blazquez@biodonostia.org

ESSENTIAL: Job offer application through the Web of Biodonostia HRI www.biodonostia.org.

Deadline: 30/11/2020

IIS BIODONOSTIA commits with a transparent and merit-based recruitment System (OTM-R policy), in line with the requirements of the Human Resources Strategy for Researchers (HRS4R).