



The Vall d'Hebron Research Institute (VHIR) is a public sector institution that promotes and develops the research, innovation and biosanitary teaching of the Vall d'Hebron University Hospital. Through the excellence of our research, we identify and apply new solutions to the health problems of society and we contribute to spread them around the world.



In April 2015, the **Vall d'Hebron Research Institute (VHIR)** obtained the recognition of the European Commission **HR Excellence**. This recognition proves that VHIR endorses the general principles of the **European Charter for Researchers and a Code of Conduct for the Recruitment of Researchers (Charter & Code)**. Thus, there are no restrictions of gender, national origin, race, religion, sexual orientation or age and **candidates with disabilities are strongly encouraged to apply.**

## The Research Group in Diabetes and Metabolism is looking for a PhD candidate to apply for “pre-doc contracts for the training of doctors 2020” predoc grants.

The candidate will work in the project unraveling the common mediators of retinal and brain diabetes-induced Neurodegeneration (URBAN) (PID2019-104225RB-I00)

### JOB DESCRIPTION

#### Education and qualifications:

##### Required:

- Graduate (Doctors excluded)

#### Main responsibilities and duties:

- Participate in the execution of the Project Unraveling the common mediators of retinal and brain diabetes-induced Neurodegeneration (URBAN) (PID2019-104225RB-I00).
- The specific objectives of the project are the following:
  - 1) To identify the molecular links between the brain and the retina in terms of neurodegenerative pathways and neurovascular Unit impairment that occurs in experimental models of diabetes.
  - 2) To validate the selected candidates in human brains and retinas from T2D subjects and age-matched donors.
  - 3) To unravel the mechanisms of action of common disease-causing mediators in both the brain and the retina.

- 4) To examine whether the identified common mediators are modulated by GLP-1RAs, thus contributing to their neuroprotective action.

### Labour conditions:

- According to VHIR labour regulations and aid for pre-doc contracts for the training of doctors 2020
- See the bases of the call and frequently asked questions in the following links:

<https://www.ciencia.gob.es/portal/site/MICINN/menuitem.791459a43fdf738d70fd325001432ea0/?vgnextoid=490233572bed4710VgnVCM1000001d04140aRCRD&vgnnextchannel=fae4b9746e160210VgnVCM1000001034e20aRCRD&vgnnextfmt=formato2&id3=830233572bed4710VgnVCM1000001d04140a>

<https://www.ciencia.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccb5d52ffeb801432ea0/?vgnextoid=490233572bed4710VgnVCM1000001d04140aRCRD&vgnnextchannel=115222e988f75610VgnVCM1000001d04140aRCRD>

### What can we offer?

- Skillful and social colleagues in a dynamic environment.
- Challenging tasks and a wide range of responsibilities.
- Personal training opportunities.
- Flexible working hours.
- 23 days of holidays + 9 personal days.
- Flexible Remuneration Program (including dining checks, health insurance, transportation and more).
- Annual teambuilding events.

### How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference CV's to the following email addresses: [crystina.hernandez@vhir.org](mailto:crystina.hernandez@vhir.org) and ([seleccio@vhir.org](mailto:seleccio@vhir.org)) . Deadline for submission October 21, 2020