



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.



HR EXCELLENCE IN RESEARCH

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**).

VHIR embraces Equality and Diversity. As reflected in our values we work toward ensuring inclusion and equal opportunity in recruitment, hiring, training, and management for all staff within the organization, regardless of gender, civil status, family status, sexual orientation, religion, age, disability or race.

Biotechnologist

Cardiovascular Diseases

JOB DESCRIPTION

Education and qualifications:

Required:

Bachelor's Degree in Sciences/PhD/Master **in Biotechnology or Biomedicine** – Fluent level in Catalan, Spanish and English (proficiency level or equivalent)

Experience and knowledge:

Required:

Proven experience in cardiovascular physiology and in mitochondrial functional studies. Previous publications in high ranking journals will be highly valued.

Knowledge of...

Full independence in cell imaging techniques and functional analysis is required, particularly immunofluorescence assays, proximity ligation assays and FRET, and mitochondrial functional probes (respirometry, calcium handling) as well as technical excellence in general biochemical techniques (W blot, PCR, immunoprecipitation, ELISA)

Main responsibilities and duties:

Characterization of the contribution of AGEs on local myocardial inflammation in aging and look for possible therapeutic targets to prevent it.

Quantification of the lysosomal activation by independent techniques (confocal microscopy and cytometry), the mitochondrial-lysosome interaction and mitochondrial fragmentation in response to dicarbonyl stress in cardiomyocytes of young and old mice and in cultured cells subjected to conditions that simulate aging.



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Labour conditions:

- Full-time/Part-time position: 40h/week.
- Starting date: 6-09-21
- Gross annual salary: 22.823,22 €
- Contract: *6 months*

What can we offer?

- Incorporation to Vall d'Hebron Research Institute (VHIR), a public sector institution that promotes and develops biomedical research, innovation and teaching at Vall d'Hebron University Hospital (HUVH), the biggest hospital of Barcelona and the largest of Catalan Institute of Health (ICS).
- A scientific environment of excellence, highly dynamic, where high-end biomedical projects are continuously developed.
- Continuous learning and a wide range of responsibilities within a stimulating work environment.
- Personal training opportunities.
- Flexible working hours.
- 23 days of holidays + 9 personal days (for 1 year contract).
- Flexible Remuneration Program (including dining checks, health insurance, transportation and more).

How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference “**Biotechnology**” to the following email addresses: mteresa.fernandez@vhir.org and seleccio@vhir.org