



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.**

## Research technician

### Cardiovascular Diseases research Group

VHIR offers a vacancy/vacant position for a University Graduate to work as High Qualified Laboratory Technician within the Laboratory of Cardiovascular Diseases. More information about our group can be found here:

<http://www.vhir.org/portal1/grup-lines.asp?s=recerca&contentid=186716&idrefer=186717>

#### JOB DESCRIPTION

##### Education and qualifications:

- **Required:**
- University Graduate in Biology or equivalent + Master degree
- More than 15 years' experience in basic/translational research in the field of cardiology.
- Experience in animal handling and animal welfare, with updated animal manipulation courses
- Authorship in high impact scientific articles within the cardiovascular field (D1, Q1)

##### Experience and knowledge:

##### Desired:

- Experience in a wide variety of laboratory techniques, both biochemical and imaging techniques (ELISA, immunoprecipitation, cross-linking, histopathology, immunofluorescence, FACS, confocal microscopy)
- Good degree of knowledge of mitochondrial pathophysiology in human and rodent myocardium
- Experience in the detection and differential labeling of tissue glycooxidative compounds
- Strong sense of responsibility, initiative, self-motivation and social skills as key personal abilities
- Ability to work independently and as a team
- Good level of English
- Postgraduate on statistics applied to health science

##### Main responsibilities and duties:

- Immunocapture and differential labeling of glycooxidative compounds in the blood and tissues of human and animal samples.

- Characterization of the senescent phenotype and the corresponding paracrine effects in cardiomyocytes of aged mice and elderly patients: mechanistic studies.
- It will be necessary to carry out:
  - Advanced techniques of cell and mitochondrial physiology
  - In vitro enzymatic assays of mitochondrial respiratory complexes and supercomplexes
  - Calcium kinetics by fluorometric techniques
  - Studies on quaternary protein structure by in situ cross-linking
  - Advanced statistical analysis with SPSS software.

### Labour conditions:

- Gross annual salary: 29.271,61
- Start Immediately
- Permanent contract

### 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 Research Technician to the following email addresses: [meresa.fernandez@vhir.org](mailto:meresa.fernandez@vhir.org) and ([seleccio@vhir.org](mailto:seleccio@vhir.org)) .