



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.**

# Researcher in cardiovascular imaging

## Cardiovascular Imaging Research Group

VHIR offers a position for a candidate researcher within the Cardiovascular Diseases Research group for research in aortic diseases

### JOB DESCRIPTION

#### Education and qualifications:

##### Required:

- Bachelor's Degree in Physics, Computational Biomedical Engineering or related topics

##### Desired:

- Fluency in Catalan, Spanish, English (business level)

#### Experience and knowledge:

##### Required:

- Experience programming in Matlab
- Experience in medical imaging analysis

##### Desired:

- Previous experience in medical research
- Previous experience in MRI and/or PET
- Motivation for clinical research with advanced imaging



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### Main responsibilities and duties:

- Research in cardiovascular image analysis, with specific focus on MR imaging, 4dFlow and PET.
- Further development of Matlab codes for the analysis of complex hemodynamics in the aorta
- Cross-modality (PET - MRI) mapping and image registration

### Labour conditions:

- Full-time position: 40h/week.
- Starting date: September 15, 2023.
- Gross annual salary: 21.276,7 euros (Salary ranges are consistent with our Collective Agreement pay scale)
- Contract: *permanent linked to project*

### What can we offer?

- Incorporation to Vall d'Hebron Research Institute (VHIR), a public sector institution that promotes and develops the 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.
- Individual training opportunities.
- Flexible working hours.
- 23 days of holidays + 9 personal days.
- Flexible Remuneration Programme (including dining checks, health insurance, transportation and more)
- Corporate Benefits: platform through which you can obtain significant discounts on travel, culture, technology, gastronomy, sports... among many others.
- Healthy Offering: choose from a variety of wellbeing focused activities to be the healthiest you.



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### How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference “Researcher in cardiovascular imaging” to the following email addresses: [alicia.fresno@vhir.org](mailto:alicia.fresno@vhir.org), [andrea.guala@vhir.org](mailto:andrea.guala@vhir.org) and [seleccio@vhir.org](mailto:seleccio@vhir.org)

**Deadline to apply: 21-08-2023**



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