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.**

Vall d'Hebron
Institut de Recerca
VHIR

BIOMEDICAL ENGINEERING (Postdoctoral)
Group: CARDIOVASCULAR PATHOLOGY

Vall d'Hebron Research Institute (VHIR) is a public sector institution, located in Barcelona (Spain) that promotes and develops innovative biomedical research at the University Hospital Vall d'Hebron. VHIR is oriented towards finding solutions to the health problems of the citizens and has the will to contribute to the scientific, educational, social and economic development within its area of competence around the world.

VHIR offers vacancy/vacant position for a **Postdoctoral biomedical engineering** within the **Unit/Group Unit/Group Cardiovascular Pathology**. More information about our group can be found here → http://www.vhebron.net/es/cardiologia

JOB DESCRIPTION

Education and qualifications:

Required:

- Mechanical Engineering.
- Doctoral degree in biomedicine.

Experience and knowledge:

- The engineering should have experienced in advanced cardiac imaging: echocardiography and cardiac magnetic resonance.
- It is required experience in cardiac magnetic resonance and 4D-flow imaging.
- It is required experience in cardiac computed tomography.
- It is also required experience in aortic diseases.
- It is also required experience in clinical research, database management and basic statistics.

Main responsibilities and duties:

- The engineer will be in charge of all the clinical research projects in cardiac Magnetic resonance in aortic diseases. He/she will update the database and perform some basic statistics.
- He/she will post-process and perform de analysis of 4D-flow studies.

- He/she will also be responsible of the RESEARCH PROJECT RETOS: SHEAR (*Ascending aortic aneurysms. Influence of etiopathogenesis on progressive dilation and new image biomarkers to predict its evolution*).
- He/she will be mostly involved in aortic biomechanics and flow in aortic dissection.

Labour conditions:

- Position: Research biomedical engineering.
- Gross annual salary: 26.356,00 €.
- Contract length: 14 months

HOW TO APPLY

Applicants should submit a full Curriculum Vitae and a cover letter with the reference Research engineering in 4D-flow and aortic dissection to the following email addresses: jfrodrig@vhebron.net and (seleccio@vhir.org).

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