



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.**

Engineer Cardiovascular diseases Research Group

VHIR offers vacancy/vacant position for an Engineer within the Cardiovascular Diseases Research group. More information about our group can be found here: <http://en.vhir.org/portal1/grup-presentacio.asp?s=recerca&contentid=186804&idrefer=186805>

JOB DESCRIPTION

Education and qualifications:

Required:

- Master degree in biomedical engineering
- At least B2-level English certification

Experience and knowledge:

Required:

- Biomedical engineering
- Machine learning for medical imaging
- Domain adaptation or transfer learning techniques
- Medical imaging analysis
- Good communication skill

Desired:

- Previous experience in research in a hospital
- Experience in Python and Matlab

Main responsibilities and duties:

- Development of machine learning algorithms for cardiovascular imaging segmentation
- Development of machine learning algorithms for cardiovascular imaging synthesis (super-resolution)
- Development of machine learning algorithms for cardiovascular imaging quality control

Labour conditions:

- Full-time contract (1 year).
- Gross annual salary 22.823,22 €.
- Immediate incorporation

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 "Engineer" to the following email addresses: jfrodriguezpalomares@gmail.com and seleccio@vhir.org.