



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.**

Postdoctoral Image Processing Position Medical Molecular Imaging

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 post-doc position within the Medical Molecular Imaging Research Group. More information about our group can be found here <http://en.vhir.org/portal1/grup-presentacio2.asp?s=recerca&contentid=187155&idrefer=187156> More information can be found here.

JOB DESCRIPTION

Education and qualifications:

Required:

- PhD in Computer Science, Bioengineering, Medicine, or related disciplines
- Methodical and organized person

Preferred:

- High level of English

Experience and knowledge:

Required:

- Proven experience in image processing (PET, SPECT, CT or MRI images) and standard statistical methodologies is required
- Experience in working with large and multimodal data sets is required.
- Development of computational models for cell quantification, living cell discrimination and therapy prognosis would be positively considered
- Experience in medical molecular imaging such as cardiac imaging, skeletal muscle or neuroimaging would be positively considered
- Knowledge of radiomics and deep/machine learning techniques would be a plus
- Database manipulation skills, with strong attention to detail.

Main responsibilities and duties:

- Modelling of muscle regeneration and cell viability images by PET/CT and MRI in small and large animals
- Processing, analysis and quantification of PET/CT images of different organs from preclinical studies and clinical trials in different medical areas
- Development of computational models for prediction of comorbidities in collaboration with external partners
- Writing technical reports, journal articles and presenting the work in scientific conferences
- Supervise personnel in training
- Interest in joining a non-profit organization with a mission of high social impact
- Strong interpersonal skills (empathic and focused team-worker)
- Ability to think independently and work collaboratively

Labour conditions:

- Gross annual salary: Minimum: 28.158,00€. Salary will be in accordance with qualifications, experience and personal skills.
- Working hours: Full-time position.
- Incorporation date: ASAP
- Length of the contract: The research position is scheduled initially for two years (open to renewal)

How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference "Postdoctoral Image Processing Position" to the following email addresses: (raul.herance@vhir.org) and/or (seleccio@vhir.org) before 5th October, 2019