



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.**

MSCA-IF Postdoctoral Researcher Medical Molecular Imaging Research Group

The Medical Molecular Imaging Group is a multidisciplinary research group joined by professional in Radiology and Nuclear Medicine from Vall d'Hebron Hospital Campus of Barcelona. The experience gained in research through the various diagnostic and therapeutic modalities of the two specialties, leads to deepen the molecular basis and the development of new areas of research in molecular signalling pathways and identifying new theranostic goals. The group covers all the steps of molecular imaging, either clinical trials or preclinical studies.

The candidate will be integrated in a young and collaborative environment with very passionate and talented people. Specifically, he/she is going to work using data from clinical trials and performing preclinical studies too, including *in vivo* imaging and *ex vivo* analysis with different biological methodologies, in T2DM murine models. Our goal is that the candidate builds solid fundamentals on the research method, so he/she will be assisted by more experienced colleagues. Finally, the candidate will also deal with some classical statistical techniques as well.

JOB DESCRIPTION

Education and qualifications:

- PhD in any science of health field such as Biology or Medicine.
- Fluent in English (most of our team are foreigners).

Applicants must also fulfil the following criteria:

- They have to be in a possession of a doctoral degree or have at least four years of full-time equivalent research experience at the time of the call deadline (**11/09/2019**).
- They can be from any nationality.
- They must move or have moved from any country to the Member State (MS) / Horizon 2020 Associate Country (AC) where the host institution is located.
- They have to comply with the mobility rule: not have resided or carried out his/her main activity (work, studies, etc.) in the country of the host institution for more than 12 months in the 3 years immediately before the call deadline.

Experience and knowledge:

- Theoretical and practical knowledge of classical statistical methodologies in SPSS or R.
- Expertise in IHQ, RT-PCR and WB techniques and handling of murine animals.

- Familiarized with molecular imaging techniques is a plus.
- Passion for health care and willing to learn about the medical field.

Main responsibilities and duties:

The final project will be defined together with successful candidate depending on his area of expertise and direction of research he/she wants to pursue. The goals of the potential project would be focused on assessing treatments and/or deepen on the pathophysiology of insulin resistance of specific organs in T2DM using molecular imaging and molecular biology and/or histological techniques. The research should be conducted on clinical trials or preclinical translational studies.

The selected candidate will pursue an exciting, challenging research in field of T2DM using medical image and is motivated to develop its own line of research through network-wide collaborations, inter-sectoral collaboration and participation in conferences. Candidate will be offered possibility of developing a scientific project within our group which would advance candidate's expertise in research direction it wants to pursue together with promoting and extending knowledge and resources of our group.

Labour conditions:

- Full-time position (40h/week).
- Starting date: to be defined.
- Length of the contract: 12-24 months, although 24 months is more desirable.
- Gross annual salary: according to the MSCA-IF regulations and the personal situation of the candidate.

How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference "Postdoctoral - Medical Molecular" to the following email addresses: raul.herance@vhir.org and seleccio@vhir.org.