



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.**

## Predocctoral Researcher Pneumology Research Group

The Pneumology group is looking for a predoctoral candidate to work in the lung transplant program. The group comprises clinicians and scientists being one of their main goals to bring the benefits of the scientific research undertaken to improve lung transplant patients survival and to develop individualized immunosuppressive regimens to decrease toxicity and side-effects of immunosuppressive therapy.

In this particular The Group of Research in Pneumology offers a contract to work on the project entitled: "Discovery and validation of potential tolerance biomarkers in long term survivors after lung transplantation (TOLUNG study)". The main aim of the project is to identify a specific gene expression, cell populations and molecules (specific antibodies and tolerance markers) relevant for the prediction of good lung transplantation outcomes.

### JOB DESCRIPTION

#### Education and qualifications:

##### Required:

- The candidate has to possess a degree in Biochemistry, Biology, Biotechnology or a related discipline.
- The candidate must have finished a Master's Degree course or equivalent necessary to study a doctorate.
- Having obtained an average grade of academic record equal to or higher than 6.5.
- Not holding the title of doctor.

#### Experience and knowledge:

##### Required:

- Experience in molecular biology (microarrays, TLDA) and flow cytometry.

##### Desired:

- Experience in lung transplantation research.
- Organised and methodical person with high motivation and initiative.
- The candidate must have skills to work in team environment and independently.

### Main responsibilities and duties:

- To perform leukocytes population analysis by flow cytometry.
- To perform gene expression analysis by microarrays.
- To validate gene expression by TLDA cards.
- To perform pathway analysis.
- To perform miRNA profiling with microarrays.
- To validate miRNAs expression by TLDA cards.
- To analyze data from all the platforms and integrate it.
- To write manuscripts with the data generated.

### Labour conditions:

- Full-time position (40h/week).
- Starting date: 1st January 2019.
- Length of the contract: 1 year.
- Gross annual salary: 16,000 euros.

### How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference "TOLUNG predoc researcher" to the following email addresses: [susana.go@vhir.org](mailto:susana.go@vhir.org) and [seleccio@vhir.org](mailto:seleccio@vhir.org).