



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.**



# Graduated Researcher Technician (Master of Sciences)

## Pneumology research group

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 laboratory technician within the Pneumology Research group, in particular within the Lung Transplantation team to work in the MIMOTRA project (Microbiome modifications after lung transplantation and its impact on the outcome). More information about our group can be found here:

<http://www.vhir.org/portal1/grup-equip2.asp?t=pneumologia&s=recerca&contentid=187035>

### JOB DESCRIPTION

#### Education and qualifications:

##### Required:

- Degree or Grade in Sciences.
- Master of Sciences.

#### Experience and knowledge:

##### Required:

- Experience in Microbiome research.
- Experience in molecular biology (RNA and DNA extraction, PCR and qPCR)

##### Desired:

- Cell culture and Flow cytometry knowledge
- English at CPE level

### Main responsibilities and duties:

- Optimize lung tissue collection and DNA extraction for microbiome analysis.
- Optimize respiratory stools collection and DNA extraction for microbiome analysis.
- Optimize broncholaveolar lavage collection and DNA extraction for microbiome analysis.
- Quantify DNA extraction
- To perform PCR of the V4 hypervariable region of the 16S rRNA gene
- Gel electrophoresis analysis of the 16S rRNA gene V4 region to monitor bacterial DNA extraction

### Labour conditions:

- Full-time position (40h/week)
- Starting date: 13<sup>th</sup> January 2018.
- Length of the contract: 6 month.
- Gross annual salary: 22.100 euros.

### HOW TO APPLY

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