



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.



Bioinformatician

Liver Disease Unit

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 **Bioinformaticians** within the Liver Diseases-Viral Hepatitis Laboratory. More information about our group can be found here → HEPATIQUES <http://en.vhir.org/portal1/grup-equip.asp?t=liver-diseases&s=recerca&contentid=>

More information can be found [here](#).

JOB DESCRIPTION

Education and qualifications:

Required:

Bachelor's Degree in Bioinformatics ESCI-UPF, with a Master in Genetics and Genomics, and Master in Translational Biomedical Research offered by VHIR. People with the PhD defended or submitted will not be accepted.

Preferred:

- Bachelor's Degree in Bioinformatics ESCI-UPF
- Master Degree in Genetics and Genomics
- Developing an Internship of Master in Translational Biomedical Research
- Experience in deep-sequencing using MiSeq and nextDeq2000 platform
- Experience in deep-sequencing viral data analysis in metagenomics
- Experience in integration of multi-omics datasets



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**.

- Experience in synthetic biology, constructing genetic circuits
- Minimum of five papers published or submitted in peer-reviewed journals including reviews
- A stay at a research center abroad will be valued

Experience and knowledge:

Experience in more than one research laboratory

Offer Reference: **BIOINFO-01-2023**

- Having extracted RNA
- Having experienced in deep-sequence using MiSeq platform
- Experience in RNA extraction, RT-PCR-Nested amplification, purification, quality and quantity measurements
- Experience in deep-sequencing viral data analysis using metagenomic tools and own developed algorithms
- Experience in integration of multi-omics datasets
- Experience in synthetic biology, constructing genetic circuits
- Own initiative, enthusiasm and commitment for the work to be developed.
- Capability to integrate into our research group.

Main responsibilities and duties:

Specific Tasks: 1) Metagenomics sequencing of different samples from human and animal origin to detect all RNA and DNA genomes 2) Data analysis. 3) Development of algorithms for the analysis of SARS-CoV-2 vaccine escape mutants. 4) Development of an interface user-friendly.

Labour conditions:

- Working hours: 30 hours/week.
- Incorporation date: May, 16th, 2023
- Gross annual salary: 19000€. Remuneration will be re-evaluated among completion of objectives
- Contract: *permanent linked to project*

What can we offer?

- Incorporation to Vall d'Hebron Research Institute (VHIR), a public sector institution that promotes and develops the biomedical research, innovation and teaching at Vall d'Hebron University Hospital (HUVH), the biggest hospital of Barcelona and the largest of Catalan Institute of Health (ICS).
- A scientific environment of excellence, highly dynamic, where high-end biomedical projects are continuously developed.
- Continuous learning and a wide range of responsibilities within a stimulating work environment.
- Personal training opportunities.
- Flexible working hours.
- 23 days of holidays + 9 personal days.
- Flexible Remuneration Program (including dining checks, health insurance, transportation and more).

HOW TO APPLY

Applicants should submit a full Curriculum Vitae (CVA or CVN or equivalent) with the reference “**BIOINFO-01-2023**” to the following email addresses: (seleccio@vhir.org) before 28th April, 2023. A letter of interest and/or an auto presenting video will be evaluated.

