



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.



HR EXCELLENCE IN RESEARCH

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**).

**VHIR embraces Equality and Diversity. As reflected in our values we work toward ensuring inclusion and equal opportunity in recruitment, hiring, training, and management for all staff within the organization, regardless of gender, civil status, family status, sexual orientation, gender identity and expression, religion, age, functional diversity or ethnicity.**

## Bioinformatics technician

### Physiology and Digestive Pathophysiology research group – Vall d'Hebron University Hospital Campus-VHIR

#### JOB DESCRIPTION

##### Education and qualifications:

##### Required:

- Bachelor's Degree in Bioinformatics, Computational Biology, or a related field.
- Specific/Additional training in...
- Fluency in Spanish, English (business level)

##### Desired:

- Experience in handling drug-condition databases (DrugBank, ChEMBL, TTD, ...).
- Experience in programming in MATLAB.
- Experience in network analysis of biological systems
- Experience in in-silico simulations of drug efficacy analysis (PBPK modeling, ...).
- Previous experience in a research setting funded by the EU-funded H2020 program.

##### Experience and knowledge:

##### Required:

- Expertise in data-processing programming languages, such as R and Python.
- Experience in pipelines and methods of analysis of omics data (microarrays, RNA-Seq, proteomics, scRNA-Seq, metabolomics, miRNA, ...).



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- Experience in statistical analysis applied to medical settings.
- Experience in Machine Learning-based data analysis methods.

### Main responsibilities and duties:

Provide bioinformatics support for the H2020 DISCOVERIE project with the following tasks:

- Molecular data integration (transcriptomics, proteomics and genomics). Dissect gene-disease relations based on an existing pathological protein network model (MATLAB based).
- Clinical data curation, machine learning approaches to identify biomarkers. Interpretation of results in the context of existing knowledge.
- Reporting of results following EU schemes, preparation of deliverables and dissemination materials.
- Prepare a scientific publication.



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### Labour conditions:

- Full-time position: 40h/week.
- Starting date: September 2024.
- Gross annual salary: 32.200 €
- Technical and scientific activities contract linked to the project activities

### 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.



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- Continuous learning and a wide range of responsibilities within a stimulating work environment.
- Individual training opportunities.
- Flexible working hours.
- 23 days of holidays + 9 personal days.
- Flexible Remuneration Program (including dining checks, health insurance, transportation and more)
- Corporate Benefits: platform through which you can obtain significant discounts on travel, culture, technology, gastronomy, sports... among many others.
- Healthy Offering: choose from a variety of wellbeing focused activities to be the healthiest you.

### How to apply:

Applicants should submit a full Curriculum Vitae and a motivation letter with the reference "Bioinformatics technician" to the following email addresses: [franciscojavier.santos@vallhebron.cat](mailto:franciscojavier.santos@vallhebron.cat) and [seleccio@vhir.org](mailto:seleccio@vhir.org)

**Deadline to apply: 24-08-2024**



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The Fundació Hospital Universitari Vall d'Hebron-Institut de Recerca - "VHIR"-, with NIF G-60594009, address in Barcelona -08035-Passeig Vall d'Hebron 119-129, Edifici Mediterrània, 2a planta and telephone (34) 934 89 30 00 is the data controller for the processing of your personal data. The data will be processed exclusively for the purpose of managing your participation in the selection process, as well as, if necessary, managing your participation in other selection processes.

Unless you give your informed consent to keep your personal data for future selection processes, in the event that the selection process is completed and you are not the person selected, your personal data will be deleted and blocked in order to be able to respond to any possible liabilities that may arise.

The legal basis of the processing is the execution of a contract to which the data subject is party or in order to take steps at the request of the data subject prior to entering into a contract.

The recipient of the data will be the VHIR's Professional Development personnel and no transfer of personal data is foreseen, except for the fulfilment of legal obligations applicable to the data controller. International data transfers are not foreseen. No automated decisions will be taken, including profiling. In general, personal data will not be communicated to third parties, except for legal



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obligations in accordance with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 (GDPR) to persons who are entitled to request them. You have the rights of access, rectification, deletion, portability, limitation and opposition that can be exercised at any time through the email [dpd@ticsalutsocial.cat](mailto:dpd@ticsalutsocial.cat) or [lopd@vhir.org](mailto:lopd@vhir.org). In compliance with Regulation (EU) 2016/679, the VHIR has appointed a data protection officer, whose contact details are [dpd@ticsalutsocial.cat](mailto:dpd@ticsalutsocial.cat). You can also lodge a complaint with the competent Data Protection Authority by contacting [www.apdcat.cat](http://www.apdcat.cat) or [www.aepd.es](http://www.aepd.es).



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