



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**).

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## Data engineer/ Data architect

### Rare Anemias Disorders Research Line

The University Hospital Vall d'Hebron is highly specialized in rare diseases on a Regional, national and international level with its incorporation as full member of 20 of the 24 European Reference Networks (ERN).

The scientific direction of the ERN-EuroBloodNet, [www.eurobloodnet.eu](http://www.eurobloodnet.eu), the ERN dedicated to **Rare Hematological Diseases** (RHD), is led by Dr Mañú Pereira, head of the Rare Anemia Disorders research lab within the “CANCER Y ENFERMEDADES HEMATOLOGICAS INFANTILES” group.

Our research strategy is focused on the development and validation of innovative methodological approaches for better characterization of patients affected by rare anemia disorders according to their individual features to allow personal risk profiles and personalized medicine.

Within the ERN-EuroBloodNet and in line with the strategy at European level, the team is leading several projects on European patients' registries for rare haematological diseases, aiming at avoiding fragmentation of data by promoting the standards for patient registries' interoperability.

In this context, we are looking for a highly motivated, self-driven and committed professional who will support our group in databases management, databases interoperability and IT related tasks.



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## JOB DESCRIPTION

### Education and qualifications:

#### Required:

- University degree in area of engineer, computer science (e.g. IT Engineer, Computer Science) or University degree in sciences with a Master's degree in a field related to the responsibilities of this job position (e.g. Bioinformatics, Statistics)

### Experience and knowledge:

#### Required:

- Knowledge on data architecture
- Knowledge on computer systems (to be able to lead discussions with different IT teams, to propose improvements to the platform)
- Knowledge of programming languages (PHP, HTML, SQL)
- English (B2). We are working at European level and have frequent meetings in English

#### Desired:

- Knowledge on common data models
- Experience with multidisciplinary teams
- Knowledge of R/Python

### Main responsibilities and duties:

- Design of databases (SQL y non-SQL)
- Data batch transfers
- Integration of databases and ETL process



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- Implementation of pseudonymization tool suggested by European Commission
- Management of the platforms use for data collection
- Lead discussions with different IT teams

### Labour conditions:

- Full-time position: 40h/week.
- Starting date: immediate.
- Gross annual salary: Remuneration will depend on experience and skills. Salary ranges are consistent with our Collective Agreement pay scale.
- Contract: Technical and scientific activities contract linked to the project activities (3 years).

### 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.
- Individual training opportunities.
- Flexible working hours and hybrid work.
- 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.



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- **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 cover letter with the reference "Data engineer/ Data architect" to the following email addresses: [claire.diot@vhir.org](mailto:claire.diot@vhir.org) and [seleccio@vhir.org](mailto:seleccio@vhir.org)

**Deadline to apply: 17/05/2024**

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 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 [lop@vhir.org](mailto:lop@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).