



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**.

Data Architect

Department of Information Systems & Decision Support – Vall d'Hebron University Hospital

VHIR is a public sector institution that promotes and develops the biomedical research, innovation and teaching at Vall d'Hebron University Hospital (HUVH), the hospital of Barcelona and the largest of the Catalan Institute of Health (ICS).

This position will be directly working with the Department of Information Systems and Decision Support in the Vall d'Hebron University Hospital (HUVH) and collaborating at the same time with the Statistics and Bioinformatics Unit from VHIR.

The HUVH is the largest hospital complex in Catalonia (Spain) and one of the most important in Spain, offering complex healthcare through its public, teaching and community hospital. The Department of Information Systems and Decision Support has an innovative orientation in the approach and strategies to data collection and processing, including patient-reported outcomes. It has been pioneer in the country in developing the Value-Based Health Care model, employing systematic and participative methodologies.

We are looking for a **Data Architect** to provide a unique platform for the extraction of clinical data from information systems (healthcare or hospital) for re-use in research. And to also implement the tools for data exploitation and presentation.

JOB DESCRIPTION

Education and qualifications:

Required:

- University Degree or higher degree in computer engineering or similar.
- Master's degree in: Business Intelligence, Big Data, Data Science or similar
- Fluency in Spanish, Catalan and English (business level)

Experience and knowledge:

Required:

- Knowledge in sql, pl / sql, non-relational database, sybase, etc.
- ETL's knowledge preferably in Kettle.
- Valuable knowledge in Business Intelligence systems.
- Testing methodologies and execution.

Desired:

- Valuable knowledge in healthcare applications: SAP, Centricity, Gacela or Sirena, modulab.

Main responsibilities and duties:

- Analyze the information needed to respond to data exploitations.
- Locate the data in the source systems to incorporate them into the research platform.
- Build a unique database for research.
- Model the database to facilitate its exploitation.
- Analyze, design and develop the extraction, transformation and loading tools needed for data mining.
- Give support in the management of the data on the operation of the system.

Labor conditions:

- Full-time position (40h/week).
- Starting date: immediate.
- Contract: temporary (1 year, with the possibility of continuity depending on the sustainability of project.)
- Gross annual salary: €40 000 - €45 000 (depending on the candidate's experience/skills)

How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference "**Data Architect**" to the following email address: seleccio@vhir.org