



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 in **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, nationality, religion, age, disability or race.**

## Full-time Researcher – New method for virus detection Diagnostic Nanotools Research Group

Diagnostic Nanotools is a research group based at Vall d'Hebron Hospital (Barcelona, Spain). Our aim is to develop and validate novel detection strategies with diagnostic purposes (<http://www.vhir.org/gr/dina>, [https://www.researchgate.net/profile/Eva\\_Baldrich](https://www.researchgate.net/profile/Eva_Baldrich)).

WE ARE SEARCHING for two Full-Time Researchers to join a project funded by La Caixa Foundation. The candidate will participate in the development and transfer of a new method for the detection and surveillance of viruses (see more information here: <https://pubs.acs.org/doi/abs/10.1021/acssensors.0c01830>).

### JOB DESCRIPTION

#### Education and qualifications:

- Degree and Master in Biotechnology, Biology, Biochemistry, Chemistry, Nanotechnology, Biomedical Engineering or similar disciplines. Having defended a PhD in one of these disciplines over the last 5 years would be a plus.
- Publications as the first author and previous stages abroad will be a plus.
- Spanish competence; English competence written and spoken.
- Dynamic and organized, technically skilled, with high autonomy level and multidisciplinary profile.
- Interest in applied research and technology transfer.

#### Experience and knowledge:

##### Candidates with experience in at least one of the following fields will be prioritized.

- Experience in the optimization and performance of particle-based bioassays.
- Familiarity with different strategies for surface modification with biomolecules.
- Familiarity with glycomics and polysaccharide modification (chemically and/or enzymatically).
- Hemagglutination and hemagglutination inhibition assays for virus detection



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 in **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, nationality, religion, age, disability or race.**

### Main responsibilities and duties:

- Our Research Group has produced a synthetic reagent and method for detection of influenza viruses, which display a visual readout in 10-25 min. The candidate will participate in the production of an enhanced product by improving surface bioengineering in order to achieve better sensitivity, decreased production cost, and detection versatility.
- The candidate will also participate in system formatting to produce novel tests for the detection of SARS-CoV-2, rubella and pneumococcus viruses.

### Labour conditions:

- Full-time position: 40h/week.
- Starting date: immediate.
- Gross annual salary: 20 000 – 25 000 euros /// (Remuneration will depend on experience and skills. Salary ranges are consistent with our Collective Agreement pay scale)
- 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.



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 in **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, nationality, religion, age, disability or race.**



- Flexible Remuneration Program (including dining checks, health insurance, transportation and more).

### How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference “DINA-ViruDet” to the following email addresses: before December 20th 2022: [eva.baldrich@vhir.org](mailto:eva.baldrich@vhir.org) and [seleccio@vhir.org](mailto:seleccio@vhir.org)