



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

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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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# Full-Time Technician – New method for virus surveillance

## 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 a Full-Time Researcher to join a Consolidate 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:

#### Required:

- FP2 or similar academic qualification, with more than 5 years of real experience in the laboratory; or
- Degree, Master, PhD in Nanotechnology, Biology, Biochemistry, Chemistry, Biomedical Engineering or similar disciplines.
- Publications as the first author and previous stages abroad will be a plus.
- Spanish competence; English competence (written and spoken) will be a plus.
- Dynamic and organized, technically skilled, with high autonomy level and multidisciplinary profile.
- Interest in applied research and technology transfer.



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## Experience and knowledge:

### Desired:

Candidates with experience in at least two 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.

## 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 to achieve better sensitivity, decreased production cost, and detection versatility.
- The candidate will also participate in system formatting for control of SARS-CoV-2, rubella and pneumococcus viruses.

## Labour conditions:

- Full-time contract (40 h/week), with a gross salary of 19.000-25.000 €/year, depending on candidate qualifications and skills (salary ranges are consistent with our Collective Agreement pay scale).
- Immediate incorporation.
- 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.



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- 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**, a **cover letter** with the reference DINA-ViruDet, and the **contact data of two references** to the following email addresses **before October 2<sup>nd</sup> 2022**: [eva.baldrich@vhir.org](mailto:eva.baldrich@vhir.org) and [seleccio@vhir.org](mailto:seleccio@vhir.org).