



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

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 biosensors, fast assays and novel detection strategies with diagnostic purposes (<http://www.vhir.org/gr/dina>; 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 production of synthetic erythrocytes for the detection and surveillance of viruses.

JOB DESCRIPTION

Education and qualifications:

- Degree in Nanotechnology, Biochemistry, Chemistry, Biomedical Engineering or similar disciplines.
- Master finished. PhD finished or to be finished in brief will be a plus.
- English competence (written and spoken).
- Hard-worker, dynamic and organized, technically skilled, with high autonomy level and multidisciplinary profile

Experience and knowledge:

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

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



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Main responsibilities and duties:

- Our Research Group has produced a first prototype of synthetic erythrocyte (synthrocyte). This recognizes and binds several influenza viruses, which produces agglutination and change in synthrocyte sedimentation in about 5 min. The candidate will participate in the production of an enhanced product, improving synthrocyte surface bioengineering.
- The candidate may also participate in synthrocyte implementation in alternative diagnostic purposes.

Labour conditions:

- Full-time position: 40h/week.
- Starting date: immediate
- Gross annual salary: 22.823,22 – 24.785,40 euros /// (Remuneration will depend on experience and skills. Salary ranges are consistent with our Collective Agreement pay scale)
- Contract: temporary

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



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How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference "DINA-Synthrocyte" to the following email addresses before March 25th 2022: eva.baldrich@vhir.org and seleccio@vhir.org



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