



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**).

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, religion, age, disability or race.



PhD position on the use of nanoparticles for treating glioblastoma

Clinical Biochemistry, Drug Delivery & Therapy (CB-DDT)

VHIR offers a vacant position for a PhD researcher to be involved in synthesis and functional characterization of nanoparticles for treating glioblastoma under the supervision of doctors Fernanda Andrade, Diana Rafael and Ibane Abasolo, at the Clinical Biochemistry, Drug Delivery & Therapy (CB-DDT) group.

Our group has experience in the development and testing of new advanced drug delivery systems for different indications, including cancer and lysosomal storage disorders.

Please access the link below for more detailed information:

<https://vhir.vallhebron.com/en/research/clinical-biochemistry-drug-delivery-therapy>

JOB DESCRIPTION

Education and qualifications:

Required:

- BsC in the field of biosciences
- Master degree in the field of bioscience with the possibility of being enrolled in an official doctoral program at a Spanish university in the academic year 2023-2024
- Average grade of the student must be more than 7 (both Bachelor and Master Degree).

Experience and knowledge:

Required:

- At least 1-year experience in laboratory work, specifically in the synthesis and characterization of nanoparticles for drug delivery
- Lab management skills (analytical, organizational and time management).
- Strong oral and writing communication skills in English



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**).

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, religion, age, disability or race.



- Good computer skills, especially in MS Office

Desired:

- A record of previous publications, conferences and other merits will be very valuable
- Experience in tissue culture, molecular biology techniques (ELISA, WB, qPCR, etc.) and cellular biology (cell cytometry)
- We are looking for a highly motivated candidate who has a proven hands-on attitude, flexible and adaptable.

Additionally, the following personal skills are desirable:

- Excellent interpersonal skills
- Teamwork
- Proactivity (ability to work independently when necessary)
- Well-organized and responsible person at work

Main responsibilities and duties:

- Development of a PhD associated to awarded projects in drug delivery
- Synthesis, characterization and handling of different type of nanomaterials
- Cell culture: basic maintenance (subculturing, freezing and storing), functional assays (cell proliferation, apoptosis, etc) of a variety of cultures available in the lab
- Complete molecular biology characterization of cell cultures after treatment with different nanosystems
- Analysis, writing and presentation of results
- Administrative and laboratory management tasks

Labour conditions:

- Full-time position (40 h/week).
- Incorporation: 2/10/2023
- Length of the contract: 6 month
- Gross annual salary: 17651,68 €
- Gender equity is guaranteed



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**).

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, religion, age, disability or race.



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.
- 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.
- Healthy Offering: choose from a variety of wellbeing focused activities to be the healthiest you.

How to apply:

Applicants should submit a cover letter, a CV, names and contact information of academic referees and record transcripts of both Bachelors and Master's degree, with the reference "PhD Nano" to the following email addresses:

ddt@vhir.org, and seleccio@vhir.org

Deadline to apply: 06-09-2023