



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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Junior Post-doctoral position

Cardiovascular Diseases Research Group

The VHIR offers a biomedical researcher vacancy/position to work as a Junior Postdoctoral Researcher within the Cardiovascular Diseases Laboratory. The Researcher will carry out the Research Project: Exploring solutions to health challenges through disruptive science, advanced therapies and systems medicine with file number FORT23 /00034.

More information about our group can be found here: <https://vhir.vallhebron.com/ca/recerca/malalties-cardiovasculars>

JOB DESCRIPTION

Education and qualifications:

Required:

- University Graduate in Biology, Biotechnology, Biomedicine or equivalent + PhD degree, preferentially cardiovascular-oriented or aging-oriented.
- Strong research background in experimental and/or translational biomedical research documented by previous scientific publications.
- Experience in animal handling and animal welfare, with updated animal manipulation courses.
- Applicant must be proficient in English, both spoken and written.

Experience and knowledge:

Desired:

- Experience in laboratory techniques, both biochemical and imaging techniques (W.blot, PCR, ELISA, immunoprecipitation, cross-linking, histopathology, immunofluorescence, FACS, confocal microscopy)
- Experience in cell culture/cell isolation models
- Strong sense of responsibility, initiative, self-motivation and social skills as key personal abilities
- Ability to work independently and as a team
- Knowledge on statistics applied to health science



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- Previous experience in aging research will be highly valued.

Main responsibilities and duties:

Characterization of the role of glycativ stress on senescent phenotype and its potential paracrine effects in cardiomyocytes of aged mice and elderly patients: mechanistic studies and therapeutic opportunities.

It will be necessary to carry out:

- Advanced techniques on cell and mitochondrial pathophysiology
- In vitro enzymatic assays, PLA, ELISA, high resolution imaging, flow cytometry
- Intracellular fluorometry
- Cell-to-cell interaction studies (cardiomyocytes-macrophages)
- Advanced statistical analysis with SPSS software.

Labour conditions:

- Full-time position: 40h/week.
- Starting date: immediate.
- Gross annual salary: 27.592,08 euros /// (Remuneration will depend on experience and skills. Salary ranges are consistent with our Collective Agreement pay scale)
- Contract: Temporary ("law of science" postdoctoral contract)

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.



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- 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 full Curriculum Vitae and a motivation letter with the reference "Postdoctoral Fortalece" to the following email addresses: marisol.ruiz@vhir.org, mteresa.fernandez@vhir.org, and seleccio@vhir.org

Deadline to apply: 21/03/2024

The Fundació Hospital Universitari Vall d'Hebron-Institut de Recerca - "VHIR"-, with NIF G-60594009, address in Barcelona -08035- Passeig Vall d'Hebron 119-129, Edifici Mediterrània, 2a planta and telephone (34) 934 89 30 00 is the data controller for the processing of your personal data. The data will be processed exclusively for the purpose of managing your participation in the selection process, as well as, if necessary, managing your participation in other selection processes.

Unless you give your informed consent to keep your personal data for future selection processes, in the event that the selection process is completed and you are not the person selected, your personal data will be deleted and blocked in order to be able to respond to any possible liabilities that may arise.

The legal basis of the processing is the execution of a contract to which the data subject is party or in order to take steps at the request of the data subject prior to entering into a contract.

The recipient of the data will be the VHIR's Professional Development personnel and no transfer of personal data is foreseen, except for the fulfilment of legal obligations applicable to the data controller. International data transfers are not foreseen. No automated decisions will be taken, including profiling. In general, personal data will not be communicated to third parties, except for legal obligations in accordance with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 (GDPR) to persons who are entitled to request them. You have the rights of access, rectification, deletion, portability, limitation and opposition



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that can be exercised at any time through the email dpd@ticsalutsocial.cat or lopd@vhir.org. In compliance with Regulation (EU) 2016/679, the VHIR has appointed a data protection officer, whose contact details are dpd@ticsalutsocial.cat. You can also lodge a complaint with the competent Data Protection Authority by contacting www.apdcat.cat or www.aepd.es.



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