



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.



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)**. Thus, there are no restrictions of gender, national origin, race, religion, sexual orientation or age and **candidates with disabilities are strongly encouraged to apply.**

Postdoctoral Researcher

Nephrology

VHIR seeks a vacant position for a Postdoctoral Researcher within the Group of Nephrology. More information about our group Nephrology can be found here: <http://www.vhir.org/portal1/grup-equip.asp?t=nefrologia&s=recerca&contentid=186797>

JOB DESCRIPTION

Education and qualifications:

Required:

- PhD in the area of biomedical sciences.
- Catalan, Spanish and English
- Teamwork, responsible and committed with her/his work as well as independence abilities.
- Computer skills for database generation and statistical analyses

Experience and knowledge:

The candidate should have significant experience in the field of transplant research and immunology and have at least four original publications as a first author in a peer reviewed journal.

She or he should have practical background in a laboratory of immunology and be familiar with basic immune assays such as ELISA, ELISPOT or Flow-cytometry. Knowledge about isolation and culture of immune cells are highly desirable. Furthermore, a degree for experimental animal manipulation will be required.

Main responsibilities and duties:

The candidate will lead a research line investigating B and T cell (humoral/cellular) immunity to human solid organ grafts. The research will primarily examine the function of alloreactive memory B and T cells in kidney transplant patients receiving different immunosuppressive agents and mechanisms of graft deterioration. The study is fundamentally involved in a multicenter European clinical trial dealing with discovery and validation of non-invasive biomarkers or rejection and tolerance (EU-TRAIN).

The applicant will also be involved in other collaborative projects dealing with autoreactive memory T and B-cell responses in the context of autoimmune kidney diseases, and T and B-cell responses against virus (CMV and BKV) in the solid organ transplant setting. She/He will also participate in the study of B and T cell immunity in experimental animal models of immune sensitization with skin and kidney transplants.

Technical abilities:

- Primary human cell cultures
- ELISA
- ELISPOT
- Flow cytometry
- Protein assays
- Molecular biology techniques
- Functional cell based assays
- Training in experimental models of skin and kidney transplantation
- Statistical and data handling skills

Labour conditions:

- Permanent Contract position (40h)
- Gross annual salary: 26.092,62€
- Starting date: Immediately

What can we offer?

- Skillful and social colleagues in a dynamic environment.
- Challenging tasks and a wide range of responsibilities
- Personal training opportunities.
- Flexible working hours.
- 23 days of holidays + 9 personal days.
- Flexible Remuneration Program (including dining checks, health insurance, transportation and more).
- Annual teambuilding events.

How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference CV's #InvPosdoctoral_Nefrologia to the following email addresses (seleccio@vhir.org).