



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.**

## Post-Doctoral Researcher

### Microbiology Research Group & Shock, Organ Dysfunction and Resuscitation Research Group

VHIR offers a vacancy/vacant position for Post-Doctoral Researcher within the [Microbiology Research Group](#) and the [Shock, Organ Dysfunction and Resuscitation Group](#).

The Research Group of Microbiology at Vall d'Hebron Research Institute (VHIR) focuses on the study of the microbiology aspects involved in the infectious diseases aimed at improving developing basic, translational and clinical research that could improve the outcomes of patients with infectious diseases. We work with special interest in studying the mechanisms involved in antimicrobial resistance, the sexually transmitted infectious diseases, the study of viral and fungal infection in immunocompromised patients, the microbial mechanisms involved in pathogenicity, microbial epidemiology as well as in the design and evaluation of new molecular infectious disease diagnostic systems. More information about the Microbiology Research Group can be found [here](#).

The Shock, Organ Dysfunction and Resuscitation Research Group (SODIR) at Vall d' Hebron Research Institute (VHIR) has as an objective the research into the pathophysiology of systemic inflammatory response induced by infection and the study of biomarkers, analysis of factors related to the development of multiple organ dysfunction and outcome of severe sepsis, development of early mortality prediction scales in severe sepsis, application of artificial intelligence in the management of severe sepsis and develop intelligent alarms in critically ill patients, especially in severe sepsis, septic shock and multiple organ dysfunction. More information about the Shock, Organ Dysfunction and Resuscitation Research Group can be found [here](#).



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## JOB DESCRIPTION

### Education and qualifications:

#### Required:

- Degree in Life Sciences and Health.
- PhD in Life Sciences and Health
- Good communication skills and fluency in spoken and written English (minimum level in English: C)
- Good publications and projects participation records
- Proactive, dynamic and outstanding organizational skills are required
- “Out-of-the-box” thinking

### Experience and knowledge:

- Experience of more than 3 years in clinical microbiology and/or infectious diseases
- Leadership capacity and proven international experience in the predoctoral and / or post-doctoral period
- Experience on international project management and project applications
- Strong background in clinical microbiology, infectious diseases, immunology, molecular biology, and sepsis
- Proven experience in data management, databases maintenance and statistics
- Knowledge on bioinformatics

### Main responsibilities and duties:

- Participation in the coordination and development of the research project “AMBROSIA: A multiplexed plasmo-phonic biosensing platform for rapid and intelligent sepsis diagnosis at the point-of-care”
- To establish clinical and translational biomedical studies in the field of bacteremia and sepsis using for this the data and the collection of samples of the Sepsis Bank of Hospital Vall d'Hebron within the Microbiology and SODIR Research Groups
- Project Management, Project Applications
- Writing scientific reports and papers
- Attending projects meetings and scientific conferences, and in outreach activities within the AMBROSIA project
- Support the researchers of the project.



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### Labour conditions:

- Full-time position: 40h/week.
- Starting date: May/June 2023
- Gross annual salary: 28.000€
- Contract: *temporary 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.
- 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 and at least one letter of support with the reference **Post-Doctoral Researcher CV AMBROSIA 2023** to the following email addresses: [carla.coll@vhir.org](mailto:carla.coll@vhir.org) and [seleccio@vhir.org](mailto:seleccio@vhir.org) before 16<sup>th</sup> May 2023