



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.**

Research Assistant

Microbiology Research Group.

VHIR seek a vacancy/vacant position for a Research Assistant to join the Microbiology Research Group led by Dr Tomas Pumarola. More information about our group can be found [here](#).

JOB DESCRIPTION

Education and qualifications:

Required:

- Graduate in Health sciences or Graduated in telecommunications or informatic engineering with knowledge in Computer Vision/Image Processing to capture, analyse and implement detection algorithms for biomedical imaging and mobile applications.
- Master degree in Health sciences or Master in telecommunications or informatic engineering with knowledge in Computer Vision/Image Processing to capture, analyse and implement detection algorithms for biomedical imaging and mobile applications.
- English language level: C1/C2 proficient. See the Common European Framework of Reference for Languages which is an international standard for describing language ability. [Here](#) you can look at the diagram showing the levels and short description of CEFR.

Experience and knowledge:

Desired:

- International Health knowledge and experience.
- Field work experience in developing countries.
- Enthusiasm, motivation and engagement in operational research projects.

Main responsibilities and duties:

The eligible candidate will be involved (fully or partially) in these tasks :

- Join the University PhD program to perform the doctoral thesis (full time).
- Design and development of standard operational procedures for biological sample manipulation.
- Acquisition of digital images by light microscopy and classification and labeling of images.

- Collaboration in the development of the MicroApp mobile application for imaging capture and microscopic diagnosis.
- Collaboration in the development of the image database images and diagnostics for the digital image within the GLI software.
- Implementation and validation of the MicroApp first in the HUVH-Drassanes microbiology laboratory and later in a “Global laboratory Initiative “(GLI) reference laboratory in developing countries.
- Participation in the Creation of a tutorial and a training program for laboratory technicians on Micro app and diagnosis through digital imaging.
- Preparation and evaluation of an internal and external quality control program of the diagnosis through the digital image

Labour conditions:

Initially, Part time 28,5h /week (technician/graduate category).

- Once the candidate is registered in the PhD program, will be Full time 40h/week (predoctoral position category).
- Length of the contract: One year renewable for 2 or three years.
- Start: Immediately.
- Gross annual salary 16.490 €

What can we offer?

- Skillful and social colleagues in a scientific and clinical environment.
- Challenging tasks and a wide range of responsibilities.
- Scientific training opportunities.
- Field visits to implement the mobile Micro App in developing countries.
- University predoctoral tuition fee /year.
- Annual teambuilding events.
- International collaboration and networking. This is a collaborative project between VHIR/HUVH, Universitat Politècnica de Catalunya and World Health Organization.
- Possibility of 1 year extension to finish the PhD Research and defense of doctoral thesis.

How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter to the following email addresses: jjoseph@vhebron.net and seleccio@vhir.org.