



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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# Specialized Support Technician

## High Technology Unit

VHIR offers a position for a specialized technician within the High Technology Unit (UAT). UAT belongs to the VHIR pre-clinical core-facilities, providing highly specialized equipment along with scientific and technical expertise to assist researchers in experimental design and data analysis. UAT portfolio comprises Cytometry, Microscopy, Genomics, Metabolomics and Molecular Diagnosis services. In addition, UAT collaborates with other VHIR core-facilities and organizes specialized training and teaching activities.

This position will be mainly dedicated to support the Metabolomics Platform. The candidate also will collaborate with the Genomics/Molecular Diagnosis Platforms when required.

More information about UAT services can be found in the VHIR webpage.

<https://vhir.vallhebron.com/es/apoyo-la-investigacion/unidad-de-alta-tecnologia-uat>

This vacancy is awarded by the “Agencia Estatal de Investigación” and cofounded by the “Fondo Social Europeo Plus-FSE+” (ref. MCIU/AEI/10.13039/501100011033), for a period of three years.

The offered position is well suited for individuals who possess a blend of advanced technical and scientific skills, along with a strong inclination for service and support, and notably, exceptional interpersonal and communication abilities.

## JOB DESCRIPTION

### Education and qualifications:

#### Required:

- University Degree in Life Sciences (Chemistry, Pharmacy, Biochemistry, Biology or similar).
- MSc in Life Sciences.
- Good communication skills.
- Fluent written and spoken Catalan, Spanish and English.



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## Experience and knowledge:

### Required:

- Theoretical knowledge of the mass spectrometry technologies, as well as of the general principles of targeted and untargeted metabolomics.
- Demonstrable experience at user level in handling UPLC-MS/MS equipment similar to the UPLC-Xevo TQ system available at UAT.
- Demonstrable experience in developing bioanalytical projects and validating methods using mass spectrometry techniques, as well as in further data analysis.
- Strong customer orientation.
- Good team player.
- Proactive, rigorous, organized person able to work autonomously, committed to the tasks required by the position.
- Willing to learn, flexibility, adaptability and resilience.

### Desired:

- PhD involving demonstrable experience in metabolomics techniques.
- Experience in basic genomics laboratory techniques, for example, nucleic acids handling and quality control (absorbance, fluorimetry), Sanger sequencing, RT-qPCR.
- Experience in advanced genomic protocols, especially in next-generation sequencing (library generation, panel design, quality control, handling of sequencers).
- Experience in other techniques offered by UAT (microscopy, cytometry) will be also valued.
- Knowledge/experience working under a quality management system (preferably ISO9001:2015, other quality systems will be also valued).



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## Main responsibilities and duties:

The main responsibility of the selected candidate will be to support the Metabolomics and Molecular Diagnostic Platforms, performing the following activities:

- To advise users on sample preparation and experimental design, as well as to support users in data analysis and interpretation.
- To perform the techniques and assays assigned by the platform's manager.
- To develop new protocols and applications, as required by service's users.
- To plan and to perform equipment regular maintenance and to manage breakdowns with external service providers, when required.
- To write technical documentation (standard operating procedures, instructions for use of the UAT equipment, etc).

Other responsibilities will be:

- To participate in scheduled training activities aimed at enhancing knowledge in metabolomics techniques.
- To perform administrative and operational tasks essential for the overall functionality of UAT services. This includes managing service requests and overseeing the procurement and maintenance of reagents and consumables.
- To provide updates on the platform's operation to the Head of the Unit as needed.
- To work under the quality management system ISO9001:2015 established as a standard in the UAT,
- To participate in UAT-organized training and teaching activities.

## Labour conditions:

- Full-time position: 40h/week.
- Starting date: subjected to grant resolution favourable to the proposed candidate.
- Gross annual salary: Remuneration will depend on experience and skills. Salary ranges are consistent with our Collective Agreement pay scale.



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- **Contract:** temporary (3 years), submitted to the concession of a MICINN-PTA 2023 grant contract. It is mandatory not having benefited before from a similar grant nor being contracted by VHIR at the time of applying for the grant.

### 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 full Curriculum Vitae and a cover letter with the reference "Specialized technician" to the following email address: [seleccio@vhir.org](mailto:seleccio@vhir.org)

**Deadline to apply: 14-12-2023**



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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 that can be exercised at any time through the email [dpd@ticsalutsocial.cat](mailto:dpd@ticsalutsocial.cat) or [lopd@vhir.org](mailto: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](mailto:dpd@ticsalutsocial.cat). You can also lodge a complaint with the competent Data Protection Authority by contacting [www.apdcat.cat](http://www.apdcat.cat) or [www.aepd.es](http://www.aepd.es).