



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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# MANAGER OF THE FLOW CYTOMETRY PLATFORM

## Unitat d'Alta Tecnologia (UAT) / High Technology Unit

VHIR is currently offering a position for **Manager of the Flow Cytometry Platform** of the High Technology Unit (UAT). The 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 giving support to biomedical research projects, and also manages specialized training and teaching activities.

The Cytometry Platform is equipped with a conventional analyzer cytometer (Fortessa, BD), a conventional cell sorter (FacsAria, BD), a spectral 5-laser cell analyzer (Aurora, Cytek) and a spectral 5-laser cell sorter (Aurora CS, Cytek). It also offers a compact multiplexing reader (Luminex Magpix), as well as data analysis stations equipped with specific software for conventional and high-dimensional flow cytometry data (FlowJo, OMIQ, FACSDiva).

The aim of this Platform is to provide high-quality services to research groups from VHIR, Vall d'Hebron Campus and to external users.

UAT works under the requirements of the Quality Management System ISO9001:2015.

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

### JOB DESCRIPTION

#### Education and qualifications:

#### Required:

- Degree in Health Sciences (Medicine, Biology, Biochemistry, Biomedicine, Chemistry, Pharmacy or similar).
- MSc or PhD in Life Sciences. Specific formation in Immunology will be highly valued.
- Proficiency in Catalan, Spanish and English, both written and oral.



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#### Desired:

- Specific formation in Quality Management Systems (ISO)

#### Experience and knowledge:

##### Required:

- At least 3 years of experience working as a specialized technician in a Flow Cytometry Core-Facility. Experience as a Flow Cytometry Facility Manager will be highly valued.
- Experience in management of cytometers, both in operation and maintenance.
- Experience in all the stages related to the work-flow of cytometry experiments applied to biomedical sciences:
  - ✓ Design of cytometry experiments, including antibody panel design
  - ✓ Protocols of sample preparation and staining
  - ✓ Technical execution of the experiments by using the flow cytometry equipment
  - ✓ Analysis and interpretation of cytometry data using specific software (FlowJo, OMIQ, FCSXpress, etc)
- Experience in collaborating with the development of research projects where cytometry techniques are highly involved, establishing the approaches and protocols required to fit their specific needs.
- Knowledge and practical application of biosafety standards in the field of cytometry.
- Informatics general skills at a user level.
- Self-motivated, highly proactive and well-organized person, able to work autonomously but also good team player.
- Flexibility to adapt to changes and eagerness to learn from new situations.



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- Ability to work with precision, paying attention to details.
- Excellent problem-solving and communication skills, both oral and written.
- Strong customer orientation and service vocation.

#### **Desired:**

- Knowledge of fundamentals and practical application of full-spectrum cytometry. Demonstrable experience in designing and performing full-spectrum cytometry experiments will be highly valued.

#### **Main responsibilities and duties:**

The main and most important responsibility is the management of the Cytometry Platform activity, under the supervision of the Head of Unit. Main duties will be:

- Organize the daily work according to user's demand and staff availability.
- Perform the optimal set up and daily maintenance of the equipment.
- Support the facility users in all kind of issues related to cytometry: experimental design, budgeting, technical performance and data analysis.
- Operate the equipment in technician-assisted experiments using any of the UAT cytometers.
- Initial training and on-demand assistance to self-service users. Implementation of SOPs.
- Management and registration of the preventive and corrective maintenance of the equipment, under the established quality procedures. Management of breakdowns through external technical assistance services.
- Managing and procuring the consumable materials required for the quality control and operation of the machines.
- Development of new cytometry protocols, according to the necessities of each particular research project. Implementation of new equipment, as required.
- Administrative management of the Platform activity (bookings, quotations, billing)



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- Ensure that all the platform activities are carried out in accordance with the requirements established in the procedures of the Quality System of the Unit (ISO9001:2015). Promote and launch continuous improvement actions. Write and keep actualized written documentation (protocols, procedures, etc.) and registers.
- Promote, organize and participate in teaching activities organized by the Unit or in those in which the UAT is involved.
- Any other duties related to the job as requested to contribute to the general functioning of the High Technology Unit.

### Labour conditions:

- Full-time position: 40 h/week.
- Starting date: immediate.
- Gross annual salary: remuneration will depend on experience and skills. Salary ranges are consistent with our Collective Agreement pay scale.
- Contract: permanent 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.
- Individual training opportunities.
- Flexible working hours.
- 23 days of holidays + 9 personal days.
- Flexible Remuneration Program (including dining checks, health insurance, transportation and more)



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- 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 "Cytometry Manager" to the following email addresses: [uat@vhir.org](mailto:uat@vhir.org) and [seleccio@vhir.org](mailto:seleccio@vhir.org)

**Deadline to apply: 07/02/2024**

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 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).