



## The Vall d'Hebron Institute of Oncology (VHIO) Seeks a “Specialized Laboratory Technician at Cancer Genomics Laboratory”

**Reference:** 07/2020

**Application deadline:** 31/03/2020

**Number of vacancies:** 1

VHIO's Cancer Genomics Group serves as a Core Technology laboratory. In addition, we are dedicated to translational research as well as novel genomic test development. We provide cutting-edge applications in cancer genomics through state-of-the-art technologies and the development of novel, fully validated tests that are used in the clinical research setting (Prescreening Program). Our lab is equipped with an n-Counter (Nanostring) platform, two digital PCR platforms (BEAMing Sysmex and ddPCR, BIO-RAD) and three NextGen Sequencers; MiSeq, NextSeq and HiSeq2500, Illumina. VHIO's Prescreening Program is nucleated around the activity of two VHIO groups - Cancer Genomics and Molecular Oncology, and centers on performing molecular profiling in over 1500 patients each year as potential candidates for enrollment in our Phase I clinical trials led by VHIO's Research Unit for Molecular Therapy of Cancer (UITM) – “la Caixa”. Patients' suitability for inclusion in any given clinical trial is assessed based on their respective genomic or pathologic profile. Our Group has developed and routinely implemented several tests for our Prescreening Program, based on NGS and nCounter. Our research activities focus on developing novel multiplexed tests that are optimized to FFPE-derived nucleic acids. Once developed, they are validated and used in clinical and translational research. Our group has been particularly interested in liquid biopsy for the last years, we are currently developing our own custom NGS test with Unique Molecular Identifiers (UMI) chemistry and envision that this will be our first disease tracking test in the clinical setting. We are also involved in a number of translational research projects including the identification of mechanisms of resistance to targeted therapies, as well as predictive biomarkers for immunotherapeutics.

### Job description:

We are seeking a laboratory technician to work in routine tasks in the lab: nucleic acid extraction of fresh/frozen and FFPE samples, library preparation for NGS (Illumina-based), ddPCR, qPCR



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and RT-qPCR, etc. as well as assisting in the development of new applications in NGS for molecular profiling of cancer patients.

#### **Requirements:**

Experience: At least 4 years of relevant laboratory experience in molecular biology techniques. Experience in genomics will be a plus.

Studies: Applicants should hold a Ph.D, B.Sc or M.Sc.

Languages: fluency in English is required.

Computer literacy is essential.

#### **Additional information:**

Full-time, 1 year contract with good prospects for renewal.

Estimated annual gross salary: according to profile and experience.

Start date: Ideally, during April 2020.

**Application:** Applicants should send a full Curriculum Vitae and a cover letter to

[selecciorrh@vhio.net](mailto:selecciorrh@vhio.net)

#### **About VHIO:**

Under the leadership of Josep Taberero, the Vall d'Hebron Institute of Oncology (VHIO), has established itself as a comprehensive cancer center of proven excellence internationally. It is also thanks to VHIO's optimal organizational structure based on a purely multidisciplinary and translational model that VHIO talents continue to anticipate and tackle the many unresolved questions in combatting this multifaceted and heterogeneous disease.

Located within the Vall d'Hebron Barcelona Hospital Campus, our researchers closely collaborate and interact with Vall d'Hebron physician-scientists. Translational science and clinical research are therefore tightly connected which promotes superb interaction and teamwork which, in turn, accelerates the bench-bedside-bed cycle of knowledge. This privileged environment affords VHIO direct access to patients as well as the entire spectrum of oncology professionals who care for them, and a second-to-none appreciation of how cancer science can translate into more powerful, targeted treatments and better practice for the care of patients. VHIO's pioneering model and programs, coupled with its belief in combining strengths through cross-border collaborations, continue to spur advances in reversing cancer resistance, halting metastatic spread, and more effectively treating even the most undruggable tumor types.

**VHIO's translation toward precision oncology: <http://www.vhio.net>**



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