The Vall d´Hebron Institute of Oncology (VHIO) Seeks a "Postdoctoral Researcher in Computational Biology"

Reference: Ref. 17-2021

Application deadline: Application open until filled.

Number of vacancies: 1

Job description:

The new Cancer Computational Biology group (PI Jose A. Seoane) at Vall d'Hebron Institute of Oncology (VHIO) in Barcelona (Spain) is looking for a computational biologist to fill a Postdoctoral position.

We are looking for a highly motivated scientist with interest in development and application of computation tools to analyze cancer omics data. We are interested in both cancer biologists with experience in bioinformatics, and in computational scientist with interest in cancer research.

Research projects may involve, but not limited to:

- Epigenetic data analysis: What is the role of epigenetic modifications in drug resistance, cancer progression or metastasis?
- Multi-omic analysis: Application or development of tools that successfully integrate different modalities of genomic or clinical data.
- Biomarker discovery: Development of new biomarkers of cancer progression, drug resistance and metastasis using machine learning techniques.

We are expecting that the candidate will lead research projects, collaborate with biologist/physicians of different groups, present and publish the results in scientific conferences and journals, apply for fellowships and help to prepare grants.
We offer a two years appointment with a possible extension of one year.

Requirements:

We will consider highly motivated candidates with a recent PhD in Computer Science, Computational Biology, Bioinformatics, Cancer Biology, Cancer Genomics, Epigenetics and related fields. Computational candidates should have experience in genomics (cancer and/or epigenetics related experience is desired but not required). Strong background in data science/machine learning is desired. Cancer Biology/Genomics/Epigenetics candidates must have experience in bioinformatics and/or data science.

Language requirements: English.

Application:

Please send an application to Jose A. Seoane (joseaseoane@vhio.net) including:

- Cover letter with previous research experience, current and future research interest, including expected starting date.
- CV
- Names and contacts of 2 referees.

About VHIO:

Under the leadership of Josep Tabernero, 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