

Bioinformatician at Altum Sequencing

About the company:

Altum Sequencing is a biotech company that has developed and validated a cutting-edge technology for minimal residual disease (MRD) evaluation in cancer patients. MRD value is highly correlated with disease burden, being the most powerful tool to predict prognosis and adjust therapy. Our technology is focused on the identification of cancer-specific genetic aberrations by NGS, and their subsequent monitoring in follow up samples using a proprietary algorithm. Continuous bioinformatic developments are needed to achieve the sensitivity and specificity required for this assessment, particularly in liquid biopsy samples. The company is already collaborating with international pharma companies and research groups, providing the best solution for MRD assessment and monitoring in cancer patients.

Job Description:

Our company is looking for a PhD candidate, highly motivated and with a biological and computational background. The candidate will manage NGS data from several sequencing platforms and will work on the integration of data from different databases such as clinical, mutational or from public repositories. The candidate will be involved in the development of in-house algorithms for genomic data analysis and interpretation, as well as in the development of IT toolkit for data visualization and reporting.

Desired Skills:

The ideal candidate will have a strong background in NGS data analysis using different sequencing platforms. Programming skills will be valued, particularly in bash, and languages used for genomic data analysis such as Python (others, such as R, would be assessed).

The candidate must have a keen interest in biology and working with real-world data. In this position he/she will interact closely with colleagues from other departments such as molecular biology lab, project managers and clients. For this reason, interpersonal and communicative skills are desired to understand the company needs and provide resolute answers.

Candidate Requirements:

- BSc or MSc in bioinformatics, biotechnology or related disciplines.
- Experience in the analysis and annotation of NGS data.
- Fluency in scientific programming (Python, bash, R), as well as in application of control version systems (git) and conda environments. Knowledge about workflow management systems (snakemake) would also be taken into account.
- Experience in management, statistical analysis and graphic visualization of large data sets.
- Strong communication and scientific writing skills (English).

Duration:

Permanent contract (vinculated to the development of an industrial PhD).

Contact:

Alejandro Martín Muñoz / alejandro_martin@altumsequencing.com