

**Bioinformatics Scientist Position – Humanitas Research Center  
Molecular Profile Analysis of Circulating Tumor Cells in Lung Cancer**

A Bioinformatician position is available at Humanitas Research Center to contribute to the design, implementation and application of data pipelines for Circulating Tumor Cell (CTC) molecular analysis within the scope of two funded research projects.

Next-generation sequencing (NGS)-based molecular tests have revolutionized the practice of medicine with the ability to personalize diagnosis, risk assessment, and treatment of patients with cancer or at high risk to develop a neoplasm. The main goal of the research project is the development of CTC-based tests as companion diagnostic tools in lung cancer screening programs and for disease monitoring after surgical intervention and during systemic treatments.

The research team has long-term experience in CTC analysis both in patient-oriented and basic studies using different techniques (<https://orcid.org/0000-0002-9837-4320>) and benefits of the collaboration with the Humanitas Cancer Center Clinical Staff.

Successful candidates will have a Master of Science degree or a PhD in Bioinformatics, Computer Science, Computational Biology or equivalent, documented experience in the analysis and interpretation of data generated by NGS technologies applied to single human/tumor cells, and strong analytical and programming skills. He/she will collaborate with senior Bioinformatics Scientists to analyze data obtained from DNA sequencing of single CTC and surgical specimens. Background in Cancer Genomics is mandatory.

Expression of interest should be sent along with a detailed CV, a cover letter and the full list of publications at [emanuela.fina@humanitasresearch.it](mailto:emanuela.fina@humanitasresearch.it).