



Advances in Liquid Biopsy for the Diagnosis of Breast Cancer

Guest Editor:

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Deadline for manuscript
submissions:

30 November 2024

Message from the Guest Editor

Liquid biopsy refers to the process of obtaining tumor-derived material, such as tumor DNA, RNA, or extracellular vesicles, from body fluids such as blood, urine, and saliva. The relatively non-invasive nature of the material obtained using methods such as blood or urine collection makes it an attractive method of investigation compared to traditional tumor biopsy. It also has the advantage of overcoming the problem of tumor heterogeneity by sampling the entire genomic environment of the tumor present in the patient's body, and it provides the possibility of repeating the test over time, allowing for longitudinal monitoring of the tumor and anti-inflammatory drugs.

It may also have potential for the early detection of cancer, predicting prognosis, and predicting response to treatment. In recent years, the development of highly sensitive assays capable of detecting tumor-derived material in body fluids, often in minutes, has made liquid biopsy a viable alternative to conventional tumor biopsy.





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Message from the Editor-in-Chief

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