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Liquid Biopsy

Guest Editor:

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“Circulating Tumor Cells”

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Message from the Guest Editor

Dear Colleagues,

Previous hope has now become a reality. Non-invasive biomarkers can improve survival through the real-time monitoring of disease and the stratification of treatment. Liquid biopsy assays are becoming informative for therapeutic decision-making in several cancers. Multifaceted advances in circulating tumor cell (CTC) research have elucidated their strong clinical relevance and enhanced our knowledge on mechanisms of metastasis and therapeutic resistance. Here we will present key technological considerations for circulating tumor DNA and CTC applications in cancer and the specific expectations of both oncologists and researchers. Key challenges and open questions for future development and further integration of liquid biopsy biomarkers will be presented. We will also discuss how recent advances in our understanding of CTC biology will offer new avenues for the development of novel therapeutic strategies.

Keywords

- liquid biopsy
- circulating tumor cells
- circulating tumor DNA
- predictive biomarkers



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Special Issue



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Message from the Editorial Board

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