Special Issue

Liquid Biopsy

Message from the Guest Editor

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

Guest Editor

Dr. Françoise Farace

"Circulating Tumor Cells" Translational Platform, CNRS UMS3655 – INSERM US23AMMICA, Gustave Roussy, Université Paris-Saclay, F-94805 Villejuif, France

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Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

mdpi.com/journal/cells

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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