Special Issue

Advances in Liquid Biopsy for Early Detection and Monitoring of Cancer

Message from the Guest Editors

Early detection of cancer remains one of the most critical challenges in oncology, as many malignancies are diagnosed at advanced stages when curative treatment options are limited. In recent years, liquid biopsy has emerged as a transformative diagnostic modality, offering a non-invasive, real-time, and dynamic view of tumor biology through the analysis of circulating biomarkers present in body fluids. By enabling earlier detection, more precise risk stratification, and better monitoring of minimal residual disease (MRD), liquid biopsy holds immense promise for shifting the cancer care paradigm toward personalized and preventative medicine.This Special Issue presents a comprehensive overview of recent progress in liquid biopsy technologies aimed at improving the early detection and molecular characterization of cancer. Liquid biopsy, encompassing the analysis of circulating tumor DNA (ctDNA), circulating tumor cells (CTCs), exosomes, microRNAs, and other tumor-derived analytes in biofluids, represents a minimally invasive approach with significant potential for early-stage cancer diagnosis and longitudinal disease monitoring.

Guest Editors

Dr. Nicola Normanno

Dr. Paola Ulivi

Dr. Tania Rossi

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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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Dr. Alexander E. Kalyuzhny
Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE, Minneapolis, MN 55455, USA

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