

Special Issue

Molecular Biomarkers in Cancers: Advances and Challenges

Message from the Guest Editors

Most of the non-imaging techniques for cancer detection are employed to corroborate biomarkers that are over-expressed in cancer cells. A number of assays have been developed to measure protein, microRNA, circulating DNA, and methylated DNA biomarkers in the blood for the detection of cancer. While these approaches are of clinical value that is more specific to late-stage cancer, they have limited value for the early detection of cancer. Accordingly, the identification of highly specific and highly selective novel molecular biomarkers for cancer diagnosis that also provide information on staging of the disease is warranted. In this Special Issue, we describe the pros and cons of current molecular approaches used in the diagnosis of cancer, as well as the technical advances in and challenges for establishing molecular biomarkers for determining the risk, detection, and progression of cancer.

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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