

Special Issue

Exploring the New Cancer Biomarkers: Progress and Prospects

Message from the Guest Editor

The development of cancer biomarkers is a promising field that holds the potential to improve cancer diagnosis and treatment. The potential uses of cancer biomarkers in personalized medicine are profound, as they enable the tailoring of cancer treatments to unique genetic and molecular profiles. Also, the scientific community has investigated circulating tumor DNA, as liquid biopsy offers a promising pathway for cancer biomarker discovery; however, several limitations and challenges hinder their effective development and clinical application. This Special Issue aims to highlight recent advances, challenges, and future directions in cancer biomarker research. We invite original research articles and reviews on topics including, but not limited to, the following:

- Current implications and challenges in the development of cancer biomarkers.
- The role of cancer biomarkers in personalized medicine.
- The improvement of machine learning algorithms in the accuracy of cancer biomarker detection.
- The impact of cancer biomarkers on patient outcomes, including early detection and targeted treatment.

Guest Editor

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Message from the Editor-in-Chief

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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