

Tentative Outline

Special/Thematic Issue for the Journal Current Cancer Drug Targets

Advances in Cancer Biomarkers and Potential Drug Targets: From Diagnosis to Therapy

Guest Editor: Dr. Hongda Liu

Co-Guest Editors: Dr. Leyi Wei and Dr. Zhenyu Song

Scope of the Thematic Issue:

Cancer biomarkers play a crucial role in the diagnosis, prognosis, and treatment of cancer. They provide valuable information for cancer detection, risk assessment, treatment selection, and monitoring response to therapy. With advancements in molecular biology and high-throughput technologies, there has been an increasing interest in identifying and characterizing cancer biomarkers for various cancer types. Additionally, the discovery of potential drug targets through the study of cancer biomarkers has opened up new avenues for targeted cancer therapies. This thematic issue aims to highlight the recent advancements in cancer biomarkers and their potential as drug targets for cancer diagnosis, prognosis, and therapy.

Keywords: Cancer biomarkers, liquid biopsy, circulating biomarkers, immune-related biomarkers, omics-based biomarkers, novel technologies, computational approaches, personalized medicine.

Sub-topics:

- Diagnostic cancer biomarkers: Identification, validation, and clinical application of diagnostic cancer biomarkers.
- Prognostic cancer biomarkers: Role of prognostic biomarkers in predicting patient outcomes.
- Therapeutic cancer biomarkers: Utility of cancer biomarkers as targets for therapeutic interventions.
- Liquid biopsy and circulating biomarkers: Emerging field of liquid biopsy and use of circulating biomarkers for cancer diagnosis, prognosis, and therapy.
- Immune-related biomarkers: Role of immune-related biomarkers in cancer diagnosis, prognosis, and immunotherapy.
- Omics-based biomarkers: Use of genomics, proteomics, and metabolomics for cancer biomarker discovery and validation.
- Novel technologies and computational approaches for biomarker discovery: Latest technologies and computational approaches in cancer biomarker research.
- Biomarkers for rare cancers and personalized medicine: Role of biomarkers in rare cancers and personalized treatment decisions.

Schedule:

- Complete Thematic issue submission deadline: **31st December 2023**

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