

## Special Issue

# Cancer Biomarkers: Discovery and Applications

### Message from the Guest Editor

The emergence of personalized medicine, driven by the integration of biomarkers, represents a major breakthrough in cancer management. This shift toward precision therapy enhances treatment effectiveness while minimizing unnecessary side effects, offering patients more tailored care based on the specific biology of their cancer. Molecular technologies such as next-generation sequencing, single-cell analysis of circulating tumor cells, and multifunctional multicolor flow cytometry, among others, are vital for early cancer prevention and the optimization of therapeutic management. By enabling more accurate and timely diagnoses, these tools improve patient prognoses and open new possibilities for proactive cancer care. This Special Issue will offer a comprehensive review of the current state of cancer biomarker development and examine how emerging technologies and biomarkers are poised to revolutionize cancer care.

### Guest Editor

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