



Prostate Cancer Biomarkers and Therapeutics

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Message from the Guest Editor

Prostate cancer is one of the most common cancers in men worldwide. Since early detection is key to increased survival, significant developments have occurred recently with the advent of biomarkers such as PSA, PCA3, TMPRSS2-ERG fusion, etc. However, many of the screening biomarkers suffer from poor specificity and sensitivity and do not accurately predict survival or treatment outcomes. Thus, the development of new biomarkers and/or strategies for the incorporation of existing biomarkers with machine learning technology is urgently needed for accurate personalized diagnosis and treatment outcome predictions. On the treatment front, there has been an increase in the availability of new therapies, including targeted, combinatorial and immunotherapies. Although the mainstay of the therapy is targeting the androgen signaling axis, new strategies have recently been developed that are improving radiation and chemotherapy outcomes through the utilization of immune-targeted radiation therapy and personalized combinatorial chemo and immunotherapy. This Special Issue aims to consolidate recent advancements in prostate cancer biomarkers and therapeutics.





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