



Tumor Vaccine Development, Immune-Based Therapies and Immune Markers

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Message from the Guest Editors

The significance of immunotherapy in this field is increasing, and the importance of understanding the interaction between tumor cells and the immune system is dramatically growing. A deeper understanding of the multiple immunosuppressive mechanisms leading to tumor escape is paving the way for the development of an incredible number of new immunotherapies.

Similarly, the enormous ongoing effort to identify reliable markers of response will enable personalized therapies. Finally, after many disappointing experiences in the past, greater knowledge of the tumor microenvironment and of the immune response mechanisms have improved the expectations which can be placed on anti-tumor vaccines.

In combination with the other strategies, including chemotherapy, monoclonal antibodies, radiation therapy, and different immunotherapeutic approaches involving immune checkpoint inhibitor therapy, cancer vaccines will become soon an important new tool in fighting cancer.





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