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Cancer Immunotherapy and the PD-1/PD-L1 Checkpoint Pathway

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Message from the Guest Editors

Dear Colleagues,

In recent years, cancer immunotherapy has made great strides, and, thanks to the understanding of the mechanisms underlying immunity in cancer, numerous therapies have been developed for different tumors. The efficiency of an immune checkpoint blockade with monoclonal antibodies in cancer treatment is remarkable, and an example of this is the success of PD-1/PD-L1 inhibition blockage. The current challenge is to understand the mechanisms of resistance as well as identify new predictive–prognostic markers implicated in the PD-1/PD-L1 checkpoint pathway. The purpose of this Special Issue is to investigate the molecular mechanisms that regulate immunotherapy in terms of response and resistance in depth and to identify biological markers useful for the personalization of therapies.

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