

Special Issue

Immune Checkpoint Inhibitors and Immune Checkpoint Resistance

Message from the Guest Editor

The immuno-oncology era (IO) has achieved many successes and represents an important milestone for cancer treatment. Immune checkpoints are important regulators of immune activation, and they play a key role in maintaining immune balance and preventing autoimmune diseases. Therefore, immune checkpoint inhibitors (ICIs) have led to a revolution in the management of many tumor types. However, despite the success of ICIs, resistance to these agents restricts the number of patients able to achieve durable responses, and immune-related adverse events can complicate treatment. Thus, a better understanding of the requirements for an effective and safe antitumor immune response following ICI therapy is needed. Studies of both tumoral and systemic changes in the immune system following ICI therapy have yielded insight into the basis for both efficacy and resistance. The understanding of the mechanisms of resistance to ICIs represents an important area of investigation in order to be able to combine ICIs with other agents or design new immunotherapies.

Guest Editor

Dr. Marzia Adelia Locatelli

Division of Experimental Therapeutics, Istituto Europeo di Oncologia, Milano, Italy

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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