



10th Anniversary of Biomedicines: The Development of Cancer Immunotherapy

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Message from the Guest Editor

The clinical development of cancer immunotherapy has been progressing rapidly, and with the Nobel Prize in Physiology or Medicine in 2018, it is attracting more attention than ever before and is expected to develop further in the future. Immune checkpoint inhibitors were developed as drugs with a completely different mechanism to conventional chemotherapy for cancer patients, and their therapeutic effects were characterized not only by tumor shrinkage, but also by the long-term survival of cancer patients, which had a strong impact on cancer treatment. On the other hand, as a result of numerous clinical trials, it was found that the efficacy of immune checkpoint inhibitors alone is only approximately 10–20%. Another cancer immunotherapy, genetically modified T-cell therapy, has shown high efficacy against hematological cancers, but its effectiveness against solid tumors is yet to be proven. The aim of this Special Issue is to further develop cancer immunotherapy.





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Message from the Editor-in-Chief

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