

Special Issue

Immune Checkpoint Inhibitor Therapy 2024

Message from the Guest Editor

Immunotherapy has provoked a paradigm shift in the treatment of cancer. Since 2013, we have known that immunotherapy is fundamental to the treatment of tumors such as melanoma, non-small cell lung carcinoma, head and neck carcinoma, and bladder carcinoma. Different immune checkpoints such as PD(L)1 or CTLA-4 inhibitors have become the first agents to obtain FDA and EMA approval for the treatment of various carcinomas. Despite all efforts, there remain some patients who are primarily resistant or who become resistant after treatment. T cell exhaustion, T regs upregulation, or MDSC activity have been proposed as the mechanisms implicated in resistance to immunotherapy agents. To overcome this lack of response to immunotherapy agents, different approaches, such as combinations with chemotherapy, radiotherapy, or targeted therapy, are under investigation. At this point, it is not only tumor mutations that are relevant to choosing the suitable treatment, but a deeper knowledge of the host immune system is also required.

Guest Editor

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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