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Autophagy and Cancer 2022

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Message from the Guest Editors

Dear Colleagues,

As a basic homeostatic and catabolic process, autophagy is responsible for the degradation and recycling of proteins and cellular components. The mechanism of autophagy has a crucial role in several cellular functions and its dysregulation is associated with tumorigenesis and resistance to cancer therapy. The Special Issue aim to understand and illuminate the role of autophagy in the tumor microenvironment in order to strengthen the response of the immune system and overcome anti-tumor immune resistance in immunotherapy.

The special issue includes:

1. The role of autophagy in tumor microenvironment;
2. The role of autophagy as regulator of immune responses;
3. Immune-related signaling molecules that regulate autophagy;
4. The effect of autophagy on modulate immune system components, mainly containing natural killer (NK) cells, macrophages, dendritic cells (DCs), and T and B lymphocytes;
5. How autophagy enhances or attenuates the effect of immunotherapy;
6. How to regulate autophagy to strengthen innate and adaptive immune responses and overcome anti-tumor immune resistance in immunotherapy for tumors.

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Guest Editors

Special Issue



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Message from the Editor-in-Chief

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