



Immunogenic Cell Death, Immunogenic Surrender and Antitumor Immunity

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Message from the Guest Editors

Immunogenic cell death (ICD) and immunogenic surrender (IS) play vital roles in reversing dysfunctional antitumor immunity. It is argued that ICD and IS are two related but distinct immune surveillance mechanisms. ICD senses cell death associated with the exposure and release of numerous DAMPs, favoring the recruitment and maturation of antigen-presenting cells to activate tumor-antigen-specific T cells. Meanwhile, IS senses the abnormal growth of cells, which is initiated by BoxA-mediated internalization of CD47 and the inhibition of tumor-cell proliferation. Growing evidence has unraveled many novel modalities with the ability to induce ICD and IS. With the advent of new information, technologies, and methodologies, it is time to delineate the significance and enigmatic mechanisms relevant to the ICD and/or IS in response to chemotherapy, radiotherapy, and targeted anticancer agents. This Special Issue is being initiated to increase our understanding of concepts and molecular mechanisms relevant to the antitumor effects of ICD and IS, and possibly to identify optimal therapeutic combinations for clinical cancer management.





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