



Molecular Basis and Advances of Targeted Immunotherapy for Cancer

Guest Editors:

Prof. Dr. Antonio Maccio

1. Department of Gynecologic
Oncology, ARNAS G.Brotzu, 09124
Cagliari, Italy
2. Department of Surgical
Sciences, University of Cagliari,
09124 Cagliari, Italy

Dr. Clelia Madeddu

Department of Medical Sciences
and Public Health, University of
Cagliari, Cagliari, Italy

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Message from the Guest Editors

Dear Colleagues,

Cancer cells can be considered pathogens; therefore, their related pathology depends on the tumor growth extent and the effectiveness of the immune system response. The immune response against cancer can be divided into two phases. The initial phase is called resistance, where the body tries to get rid of cancer cells, and the second is called tolerance, where the body attempts to limit the health impact caused by cancer. The activation of the immune system, known as immunosurveillance, follows the classical steps of antigen recognition, antigen presentation to effector and regulatory T cells, and the physiological end of the immune response through immune checkpoint pathways. The mechanisms of immune escape have emerged and been better defined, thus identifying new classes of immunotherapy drugs as immuno-checkpoint inhibitors.

This Special Issue aims to discuss innovative biomolecular mechanisms that may represent the rationale for new targeted therapeutic strategies able to improve the response to immunotherapy in cancer patients. It welcomes original research and reviews articles mainly focused on the molecular basis and advances in cancer immunotherapy.





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Editor-in-Chief

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

Message from the Editor-in-Chief

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