Special Issue

Metastatic Melanoma: From Gene Profiling to Targeted Therapy

Message from the Guest Editors

The development and progression of melanoma is a consequence of an uncontrolled cell growth due to a combination of genetic alterations that lead to neoplastic transformation and the escape from inhibitory signals. In addition to the genetic alterations of tumor cells that lead to cell proliferation, a regulatory role has been attributed to the tumor microenvironment (TME), which in turn is regulated by the gene profile. The TME interacts with the host's immune system and plays important roles in tumor progression, immune escape, and metastasis.The progressive understanding of melanoma molecular pathways and TME regulation has enabled the development of successful targeted therapies and immunotherapies for unresectable stage III and IV melanoma. An increased understanding of the role of genes and proteins in key signaling pathways in melanoma progression is needed for more effective treatments. This Special Issue will highlight the role of genetic alterations in melanoma cells and TME regulation, covering both basic and translational aspects that advance our understanding in order to find therapies for melanoma.

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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

Editor-in-Chief

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