Special Issue

The Regulators of Metastasis related Signalling Targets in Cancer Cells

Message from the Guest Editors

Cell signalling pathways, which regulate cell growth, proliferation and survival mechanisms in cancer cells, are also crucial for the poor progression of disease. Abnormal activation of these targets drives tumorigenesis with unlimited alterations in the tumour microenvironment and leads to metastasis through changing fundamental characteristics of cancer cells. A number of critical players have been identified, with their multiple roles in cell survival and metastasis-related cancer progression. Thus, the clarification of the responsible pathways and related biomarkers is currently under way using specific inhibitors and/or receptor blockers and promises to help identify potential therapeutic targets to develop successful cancer treatments. These research efforts are crucial to achieve new targeted therapy options with less adverse effects, which increase the life quality of patients. The aim of this Special Issue is to evaluate the current therapeutic targets as well as to identify new key regulators of cell signalling pathways that are involved in cell survival and metastatic cascades.

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