



Cancer Stem Cells and Tumor Microenvironment

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Message from the Guest Editor

Dear Colleagues

Cancer stem cells or tumor initiating cells overexpress specific intra- and extra-cellular markers that result in their tumorigenic and high metastatic activity. In addition, the unique intracellular signaling and metabolism of cancer stem cells drive aggressive behavior of these cells. Cancer stem cells cross talk with microenvironment components: immune cells, blood vessels, fibroblasts, extracellular matrix proteins), which is important to understand for future development of anti-cancer therapeutics. The genomics, proteomics, and metabolomics technology should be applied to the characterization of these cells and microenvironment to develop personalized medicine approaches.

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Message from the Editor-in-Chief

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