



Stem Cells in Leukemia: From Biological Properties to Therapeutic Targeting

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Message from the Guest Editor

Dear Colleagues,

Understanding heterogeneity in cancer is becoming crucial for the development of effective therapeutic strategies. The proposed hierarchical structure of some tumors is one aspect of cancer heterogeneity, with “cancer stem-cells” (CSCs) being able to propagate the tumor and playing a role in tumor persistence and the development of therapy-resistance. Hematological malignancies have necessitated pioneering studies of CSCs, with leukemia stem cells (LSCs) being associated with unique intrinsic and extrinsic biological properties, making them selectively unresponsive to conventional therapies. This Special Issue will focus on the characterization of biological mechanisms responsible for therapy escape in LSCs and will touch upon novel therapeutic strategies accounting for the role of CSCs.

Dr. Alice Giustacchini

Guest Editor





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Message from the Editor-in-Chief

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