

Special Issue

Study on Targeting Cancer Stem Cell Pathways for Cancer Therapy

Message from the Guest Editor

The cancer stem cell (CSC) theory postulates that cancers harbor a subset of cells that share characteristics of normal stem cells, with a capacity for self-renewal and an ability to differentiate into many cell types. CSCs have evolved and are highly heterogeneous. The heterogeneity of CSCs is so complex that more effective biomarkers are needed to identify CSCs or distinguish the heterogeneity of CSCs. Furthermore, numerous studies have demonstrated that purported CSCs are more resistant to chemotherapy than non-CSCs. So, understanding the mechanism of CSC drug resistance is vital for cancer treatment and preventing recurrence. To understand the nature of CSCs, this special issue intends to investigate their characteristics, methods for identification and isolation, regulation and current research on targeting CSCs for cancer therapy both in basic research and clinical studies.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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