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Targeting Cancer Stem Cells with Natural Bioactive Compounds: Inside the Molecular Pathways

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Message from the Guest Editors

Cancer stem cells (CSCs) are a small percentage of cells within tumors with the skills of differentiation, self-renewal and tumorigenicity when transplanted into an immunodeficient animal host. They could be one of the causes of resistance and therefore are becoming a potential target for cancer therapy and prevention. The characteristic pathways of CSCs that give them the essential properties of stemness, such as self-renewal, are mainly Wnt/ β -catenin, Hedgehog (Hh) and Notch. The main aim of the Special Issue “Targeting Cancer Stem Cells with Natural Bioactive Compounds: Inside the Molecular Pathways” is to be an open forum where researchers may share their original research or reviews of the scientific literature, examining the role of bioactive natural compounds from different dietary sources (fruits, vegetables, algae, mushroom, herbs) and showing (focusing on molecular mechanism) how they can prevent and reduce the risk of developing cancer and help in its treatment with chemo- and radiotherapy



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Special Issue



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Message from the Editor-in-Chief

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