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Name of Journal: *World Journal of Biological Chemistry*

Manuscript NO: 61949

Manuscript Type: REVIEW

Understanding the function of the tumor microenvironment, and compounds from marine organisms for breast cancer therapy

Marine drugs for breast cancer therapy

Abstract

The pathology and physiology of breast cancer (BC), including metastasis, and drug resistance, is driven by multiple signaling pathways in the tumor microenvironment (TME), which hamper antitumor immunity. Recently, lncRNAs have been reported to mediate pathophysiological developments such as metastasis as well as immune suppression within the TME. Given the complex biology of BC, novel personalized therapeutic strategies that address its diverse pathophysiologies are needed to improve clinical outcomes. In this review, we describe the advances in the biology of breast

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In cancer progression, the **initial proteolytic remodeling of the extracellular matrix signals the progression of tumor and host responses that results** in the formation of a pathologic milieu often referred to as the tumor microenvironment. This tumor microenvironment is composed of a variety of cell types that includes not only tumor cells and stromal fibroblasts but also cells ...

Cited by: 167 **Author:** William G. Stetler-Stevenson

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