

## Match Overview

**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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## Understanding the Tumor Microenvironment and ...

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**Breast Cancer.** Osborne et al. 25 examined **tumors** from 36 patients with locally advanced **breast cancer** for estrogen receptor (ER) or progesterone receptor and human epidermal growth factor receptor 2 status after 18 F-FDG-PET studies were performed (all but 1 patient's **tumor** was histologic grade III). A subset of 20 biopsies was analyzed for ...

**Cited by:** 11

**Author:** Mark W. Dewhirst, Jen-Tsan Chi

**Publish Year:** 2013

## Modulation of tumor microenvironment by chemopreventive ...

<https://nyaspubs.onlinelibrary.wiley.com/doi/abs/10.1111/nyas.13395>

Jun 22, 2017 · The tumor microenvironment **provides a niche in which cancer cells and their surrounding stromal cells reside** and in which **their interactions occur**. The cross talk between cancer and stromal cells in the tumor microenvironment promotes many biological processes to support cancer cell growth, invasion, angiogenesis, and metastasis.

**Cited by:** 15

**Author:** Sin-Aye Park, Young-Joon Surh

**Publish Year:** 2017

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## [The tumor microenvironment: regulation by MMP-independent ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2254553>

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

**Publish Year:** 2008

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## [Targeting Tumor Microenvironment for Cancer Therapy](#)

<https://www.mdpi.com/1422-0067/20/4/840/htm> ▾

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