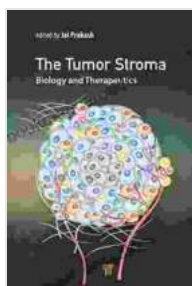
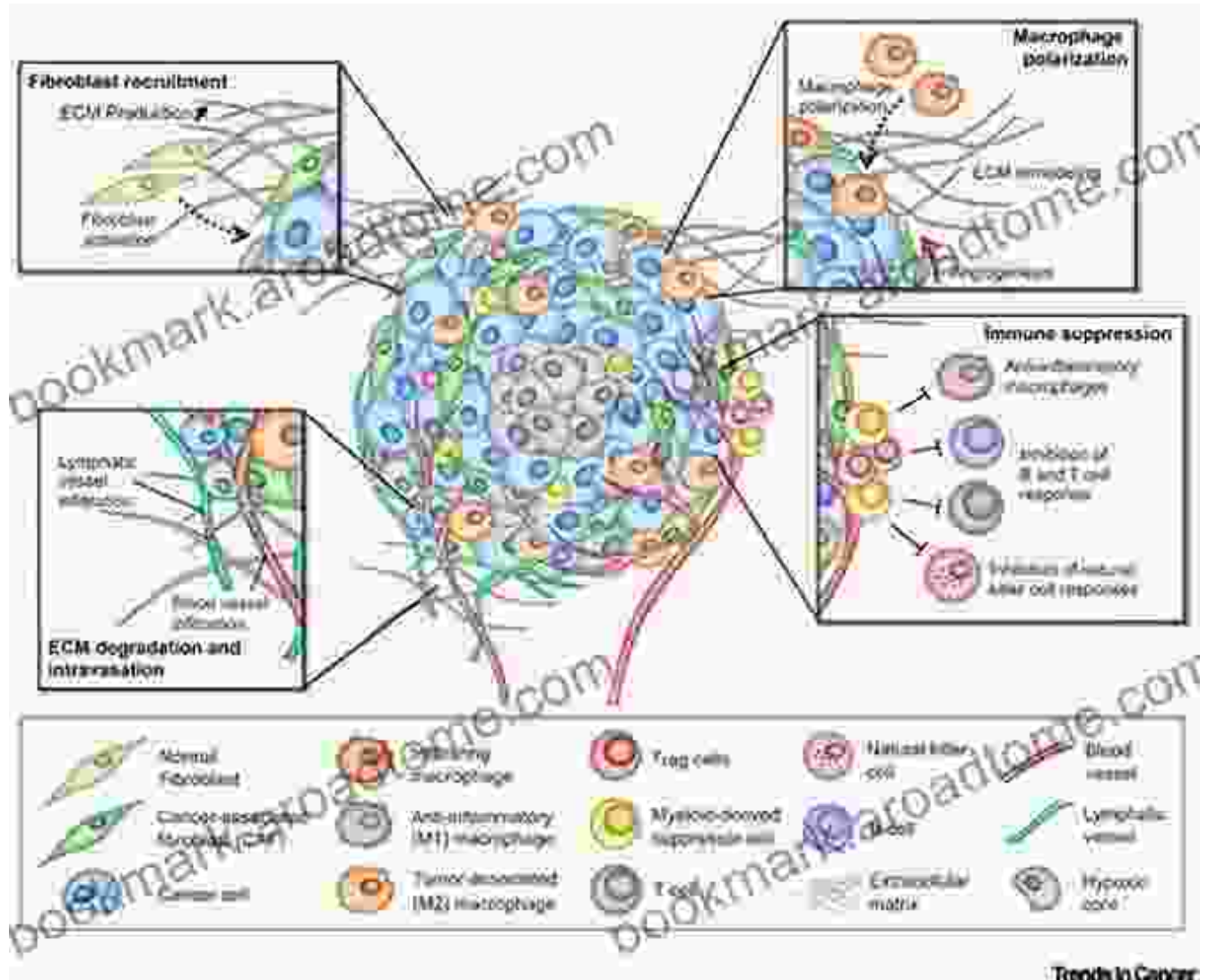


# Unveiling the Tumor Stroma: A Key Player in Cancer Progression and Treatment



## The Tumor Stroma: Biology and Therapeutics by Jai Prakash

★★★★☆ 4.6 out of 5

Language : English

File size : 27434 KB

Screen Reader: Supported

Print length : 500 pages



## **What is the tumor stroma?**

The tumor stroma is a complex network of cells, proteins, and blood vessels that surrounds cancer cells. It makes up the bulk of most tumors and plays a critical role in cancer progression and resistance to treatment.

The tumor stroma is not simply a passive bystander in cancer development. It is an active participant that contributes to tumor growth, invasion, and metastasis. The stroma can also protect cancer cells from radiation and chemotherapy, making them more difficult to treat.

## **The role of the tumor stroma in cancer progression**

The tumor stroma plays a role in all stages of cancer progression, from initiation to metastasis. It can contribute to tumor growth by providing nutrients and oxygen to cancer cells. The stroma can also help cancer cells invade surrounding tissues and spread to other parts of the body.

The stroma can also protect cancer cells from the immune system. It can produce molecules that suppress the immune response, allowing cancer cells to evade detection and destruction.

## **Targeting the tumor stroma for cancer therapy**

The tumor stroma is a promising target for cancer therapy. By targeting the stroma, it is possible to inhibit tumor growth, invasion, and metastasis. There are a number of different strategies for targeting the stroma, including:

- **Anti-angiogenic therapy:** Anti-angiogenic drugs block the formation of new blood vessels in tumors. This can starve cancer cells of the nutrients and oxygen they need to grow and survive.
- **Anti-inflammatory therapy:** Anti-inflammatory drugs can reduce the inflammation in the tumor microenvironment. This can make it more difficult for cancer cells to grow and spread.
- **Immunotherapy:** Immunotherapy drugs can boost the immune system's ability to recognize and kill cancer cells. This can help to overcome the immunosuppressive effects of the tumor stroma.

## **The Tumor Stroma Biology and Therapeutics**

The Tumor Stroma Biology and Therapeutics provides a comprehensive overview of the tumor stroma, its role in cancer progression, and potential therapeutic strategies. Written by leading experts in the field, this book is an essential resource for cancer researchers, clinicians, and students.

The book covers a wide range of topics, including:

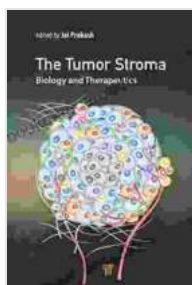
- The biology of the tumor stroma
- The role of the stroma in cancer progression
- Therapeutic strategies targeting the stroma
- Clinical trials of stroma-targeted therapies

The Tumor Stroma Biology and Therapeutics is a valuable resource for anyone who wants to learn more about this important field of cancer research.

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**The Tumor Stroma: Biology and Therapeutics** by Jai Prakash

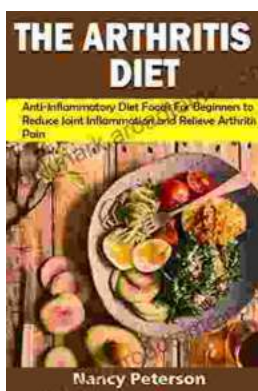
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