

# Manipulation Of The Immune Response In Cancer.pdf

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## [Immune system - Wikipedia](#)

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The immune system is a host defense system comprising many biological structures and processes within an organism that protects against disease. To function properly, an immune system must detect a wide variety of agents, known as pathogens, from viruses to parasitic worms, and distinguish them from the organism's own healthy tissue. In many species, the immune system can be classified into ...

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A number of studies have shown that cancer cells delete tumor-specific CTLs through apoptosis , . The different influences governing tumor growth and immune evasion strategies are briefly outlined in Fig. 1.. [Download high-res image](#); [Download full-size image](#)

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Immune-checkpoint blockers are at the forefront of cancer immunotherapy, yet they fail to control neoplasia in most patients. Pitt et al. discuss the diverse influences responsible for the heterogeneity in treatment responses by focusing on the newfound impact of host microbiota.

## [Immunity, Inflammation, and Cancer - ScienceDirect](#)

Wed, 12 Sep 2018 21:24:00 GMT

The presence of leukocytes within tumors, observed in the 19<sup>th</sup> century by Rudolf Virchow, provided the first indication of a possible link between inflammation and cancer. Yet, it is only during the last decade that clear evidence has been obtained that inflammation plays a critical role in tumorigenesis, and some of the underlying molecular mechanisms have been elucidated (Karin, 2006).

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