



Inflammation Disclosing the Basic Arsenal of the Body's Defense Mechanism

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Abstract

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Keywords: Inflammation; Defense; Immunogenetics; T-cell

Introduction

Inflammation is a complex biological response to harmful stimuli, such as pathogens, damaged cells, or irritants, and is a part of the body's defense mechanism. It involves the activation of immune cells, including T-cells, which play a central role in the immune response. The process of inflammation is tightly regulated and involves the release of signaling molecules, such as cytokines, which coordinate the immune response. Inflammation is essential for the body's defense against infection and injury, and its dysregulation can lead to various diseases, including autoimmune disorders and chronic inflammatory conditions.

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