

ADENOSINE RECEPTORS

Therapeutic Aspects for Inflammatory and Immune Diseases

After a century of research, evidence now indicates that adenosine's ability to directly control inflammatory cells has a major impact on both inflammatory and immune system function. Consequently, many promising therapeutic approaches are being developed that focus on the modulation of adenosine.

Edited by three pioneering researchers in the field, ***Adenosine Receptors: Therapeutic Aspects for Inflammatory and Immune Diseases*** presents the first single volume compilation of literature on how adenosine, acting at the cellular receptor level, regulates immune responses. The book is organized to provide the reader with a general overview of adenosine receptors, delving into molecular biology, cell biology, and pharmacology. It then investigates the role of adenosine receptors in regulating the function of the various cell types involved with immune responses, and explores the role of purinergic signaling in the pathophysiology of a variety of disease states associated with either overzealous or insufficient immune responses.

Featuring contributions from international experts representing both academia and industry, ***Adenosine Receptors: Therapeutic Aspects for Inflammatory and Immune Diseases***:

- Covers all aspects of biomedical research including cell biology, pharmacology, pathophysiology, and experimental medicine
- Investigates the adenosine connection with a myriad of challenging diseases including atherosclerosis and cancer, as well as autoimmune and nervous systems disorders
- Presents data derived from studies using cutting-edge research techniques such as transgenic and knockout technologies

This resource offers academic scientists and drug researchers in pharmaceutical companies a valuable resource, while also serving as a useful starting point for those researchers entering the field of adenosine and inflammatory disease.



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