



Pharmacogenetics and Pharmacodynamics of Purinergic Drugs

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Message from the Guest Editors

Nucleotides and dinucleotides are a family of compounds with a central role in metabolism at cellular level. Since the characterization and cloning of purinergic receptors in the early 1990's there has been an explosion of interest in the physiology and pathophysiology of these nucleotidic compounds.

They have been investigated in relation to a wide variety of pathologies, including neurodegenerative and neurological disorders, cardiovascular, skeletal, reproductive and immune system diseases, as well as alterations in sense organs, airways, skin, muscles, gut, kidney, urinary tract and eye. Furthermore, several purinergic drugs are already on the market, others are being investigated on clinical trials and many more are being explored for therapeutic effects on different conditions.

This Special Issue will be focused on different studies about the interactions of purinergic drugs with genes related with pathologies and about the pharmacodynamics of purinergic receptor agonists and antagonists to treat a wide number of pathologies.





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Message from the Editor-in-Chief

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