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of recombinant P2Y purinoceptors; General discussion I; P2U purinoceptors: cDNA cloning, signal transduction mechanisms and structure-function analysis; Functional properties of native and cloned P2X receptors; ATP as a co-transmitter with noradrenaline in sympathetic nerves-function and fate; ATP release and its prejunctional modulation; General discussion II

Involvement of distinct receptors in the actions of extracellular uridine nucleotides Features of P2X receptor-mediated synapses in the rat brain: why doesn't ATP kill the postsynaptic cell?; P2 purinoceptors in the immune system; General discussion III; Challenges in developing P2 purinoceptor-based therapeutics; Summing-up; Index of contributors; Subject index

Sommario/riassunto

Many different pathological conditions are currently under investigation as therapeutic targets of purines including cancer, cardiovascular conditions, behavioural disorders, inflammation, immunoregulation, and neuroendocrine function. This book draws together research on all aspects of P2 purinoceptors and discusses their use in different therapeutic areas.
