Special Issue

Adenosine Receptors: From Cell Biology to Human Diseases

Message from the Guest Editor

Adenosine is a ubiquitous molecule which is involved in the regulation of different functions in every organ and tissue through the interaction with four G protein coupled receptors named A1, A2A, A2B, and A3 adenosine receptors (ARs). Due to the wide distribution of ARs throughout the body, this purine nucleoside induces a variety of physiopathological effects primarily regulating central nervous and peripheral systems. ARs is a potential and attractive target for drug development in some of the most widespread disorders. This Special Issue aims to provide the state-of-the-art on the involvement of the cellular and molecular pathways triggered by ARs that could play a role in the different adenosine effects and in their implications in diseases. Based on these important scientific and clinical advances, purine scientists are definitely getting closer to identifying novel adenosine drugs with the ability to have a therapeutic effect in improving human health. We look forward to your contributions.

Guest Editor

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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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