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Adenosine Receptors: From Cell Biology to Human Diseases

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submissions:

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Message from the Guest Editor

Dear Colleagues,

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, A_{2A}, A_{2B}, 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.

Dr. Katia Varani

Guest Editor



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Special Issue



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