

Special Issue

Medicinal Chemistry of Adenosine Receptor Antagonists

Message from the Guest Editors

This is an invitation to submit your research results in the field of medicinal chemistry of the adenosinergic system.

Adenosine (Ado) is an extracellular signalling molecule which, by activating specific receptors, is involved in a variety of physiological and pathological processes, including central and peripheral nervous system functions, modulation of cardiovascular and respiratory activity, regulation of immune systems in humans and other species. Ado receptors (ARs) are G protein-coupled receptors classified as A1, A2A, A2B, and A3 subtypes, which are expressed throughout the body with different tissue/organ distribution and signalling. This Special Issue aims to provide readers with recent advances in the medicinal chemistry of AR antagonists. The topics proposed include molecules endowed with AR antagonist properties and designed as pharmacological tools and diagnostic probes, their synthesis, biological evaluation and pharmacokinetic properties. Molecular modelling studies are also welcome.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2021)



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Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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