

Special Issue

Adenosine Metabolism-Key Targets in Cardiovascular Pharmacology

Message from the Guest Editor

Pharmacological modulations of adenosine signaling may be recognized as a valuable therapeutic approach for many cardiovascular pathologies, including atherosclerosis, myocardial ischemia-reperfusion injury, hypertension, thrombosis, and diabetes. This Special Issue will explore in depth the role of adenosine metabolism pathways and their association with cardiovascular diseases. Potential topics include, but are not limited to, the following:

- Intracellular and extracellular adenosine metabolism pathways;
- Targeting adenosine-mediated actions at cellular levels;
- Adenosine as a treatment for myocardial preservation;
- Inhibitors and activators of adenosine metabolism enzymes;
- Molecular biology of adenosine signaling;
- Bioinformatics of adenosine receptors;
- Adenosine metabolism in atherosclerosis;
- Adenosine metabolism in endothelial dysfunction;
- Adenosine metabolism in inflammation and cholesterol homeostasis;
- Anti-platelet effects of adenosine-regulated pathways;
- Adenosine-deaminase-anchoring proteins;
- Adenosine-converting enzymes as ideal physiologic biomarkers;
- Deficiency of adenosine deaminase 2;
- Nucleoside transporter pharmacotherapy.

Guest Editor

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Deadline for manuscript submissions

closed (25 September 2023)



Pharmaceuticals

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Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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