

Special Issue

The Role of Na,K-ATPase in Human Health: From Structure to Function

Message from the Guest Editors

The transport and receptor functions of the enzyme are sensitive to oxygen concentrations and the redox status of the cell, and one of the key determinants of the enzyme's redox sensitivity is S-glutathionylation of the Na,K-ATPase subunits. Dysregulation of Na,K-ATPase functioning has an important impact on numerous human pathological conditions including cancer; chronic kidney disease; preeclampsia; and cardiovascular, metabolic and neurological disorders. Na,K-ATPase is also of great interest in viral biology because it is a prominent therapeutic target in a broad spectrum of viral infections. Understanding the molecular mechanisms of Na,K-ATPase dysfunction in pathologies will allow us to propose new methods for the prevention or correction of these diseases in the future. This Special Issue welcomes original articles and reviews on the role of Na,K-ATPase in the pathogenesis of various human disorders and the molecular mechanisms underlying Na,K-ATPase dysfunction.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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