Special Issue

Research and Role of Organelles in Medicine

Message from the Guest Editor

The development of modern medicine involves the search for new molecular targets for the treatment of various diseases. Such targets include membrane-bound and proteinaceous organelles, which are the control elements of the cell. Mitochondria-targeted approaches may support cellular energetics in multiple pathologies or, conversely, induce tumor cell death. A number of diseases may lead to dysfunction of the endoplasmic reticulum and impairment of intra- and extracellular signaling pathways. Changes in the processes of autophagy may also accompany various disorders. The Special Issue focuses on current medical research that highlights the importance of intracellular organelles in the prevention and treatment of human diseases. Contributions will include, but not be limited to, papers dealing with mitochondrial dysfunction, ER stress, autophagy, etc. Overall, the information in this Special Issue will facilitate the development of targeting personal therapeutics of greater clinical value.

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on "omics"-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical
subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 25 days after submission; acceptance to publication is undertaken in 5.8 days (median values for papers published in this journal in the second half of 2025).