

Special Issue

New Biomarkers for Diagnosis and Therapy in Civilization Diseases

Message from the Guest Editors

The cell surface markers has become an indispensable tool for diagnosing hematological malignancies and monitoring minimal residual diseases. The increase of average age highlights neurodegenerative pathologies and the presence of inflammation, representing new challenges in therapies and biomarker research fields. The applications of gene chips and microarray technology to simultaneously assess multiple molecular markers with Next-Generation Sequencing (NGS), used to sequence entire genomes or constrained to specific areas of interest, are simple and cheaper. Bioluminex, Planar Array Assay and other new assays open new scenarios for autoimmune diseases. The use of different matrixes, such as as saliva, cerebrospinal fluid, tears and synovial fluids, will be evaluated. The aim of this Special Issue is to invite original research articles or reviews presenting and discussing the advancement of biomarkers research and innovative therapies involved in cancer, autoimmune diseases and neurodegenerative diseases, with a special interest in the use of biological drugs in these pathologies and advances in genetics, in innovative assays and in molecular diagnostics.

Guest Editors

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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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Rapid Publication:

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).