Special Issue

Neurodegenerative Diseases: Molecular Pathology and Personalized Treatment

Message from the Guest Editor

This issue will highlight translational research and precision medicine approaches, including biomarker discovery, individualized risk assessment, and targeted therapeutic strategies, such as gene therapy, RNA-based treatments, neuroprotective agents, and personalized neuromodulation techniques. Studies integrating computational modelling, artificial intelligence, and machine learning to refine patient stratification and treatment prediction are welcome. Additionally, we seek investigations into disease heterogeneity, the role of sex and ageing in neurodegeneration, and novel clinical trial designs that address patient-specific responses to therapy. Contributions from interdisciplinary collaborations that bridge basic, translational, and clinical research are encouraged to provide a comprehensive understanding of disease mechanisms and the path toward more effective, individualized treatments. This Special Issue aims to drive forward the next generation of personalized interventions for neurodegenerative diseases.

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine (*JPM*; ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.5 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the first half of 2025).