

Special Issue

Precision Medicine for Neurodegenerative Disorders

Message from the Guest Editor

Neurodegenerative disorders, including Alzheimer's disease, Parkinson's disease, amyotrophic lateral sclerosis, and related conditions, represent a global health challenge. Increasing evidence highlights the complex interplay between genetic susceptibility, environmental exposures, molecular pathways, and individual variability, underscoring the need for more personalized approaches to diagnosis, prevention, and treatment. Recent advances in genomics, multi-omics technologies, biomarker discovery, artificial intelligence, and digital health have accelerated the transition toward precision medicine in neurology. These innovations offer unprecedented opportunities to identify disease subtypes, predict individual risk, monitor disease progression, and develop targeted therapeutic interventions. This Special Issue aims to present the most recent advances related to precision medicine approaches in neurodegenerative disorders. We welcome contributions addressing genetic and molecular mechanisms, biomarker discovery, individualized therapeutic strategies, AI-driven prediction models, and translational research bridging laboratory discoveries with clinical applications.

Guest Editor

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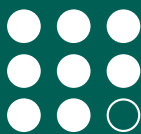


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About the Journal

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 23 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2026).