

## Special Issue

# Precision Medicine in Neurosurgery

### Message from the Guest Editors

Precision medicine is to identify a tailored treatment for each patient at the right time. It uses different methodologies, such as big data collection, the various omics and pharmaco-omics, artificial intelligence. The personalized approach through precision medicine methods may significantly impact on different neurosurgical fields. For example, the integration of molecular information in brain tumor diagnosis and treatment and the study of genetic and biochemical factors in movement disorders, hydrocephalus, chronic pain, spinal degenerative and tumoral pathologies could significantly affect our understanding of the pathophysiology of diseases and improve the response to different neurosurgical treatments. Moreover, cutting-edge technologies and novel surgical instrumentation allow neurological surgeons to deliver effective treatments together with minimally invasive surgical approaches. The aim of this Special Issue of the *Journal of Precision Medicine* is to collect outstanding original articles, reviews and communications highlighting innovative and personalized approaches to the diagnosis and surgical treatment of neurosurgical diseases.

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### Guest Editors

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### Deadline for manuscript submissions

closed (25 September 2024)



## Journal of Personalized Medicine

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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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### Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker

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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).