

Special Issue

Otolaryngology in Clinical Practice: The Necessity of Personalized Medicine

Message from the Guest Editor

Otolaryngology-Head and Neck Surgery is confronted with challenges in treatment optimization due to the complex interplay of anatomical, physiological, and histopathological findings of ear, nose, and throat pathologies affecting individual patients' quality of life. Traditional "one-size-fits-all" approaches often yield suboptimal outcomes, highlighting the need for personalized therapeutic strategies. This Special Issue aims to provide insight into the integration of personalized medicine approaches in otolaryngology-head and neck surgery. A particular focus on the synergistic potential of artificial intelligence and machine learning in advancing personalized care can be performed through improved diagnostic accuracy, treatment selection, and outcome prediction. We welcome original research and comprehensive reviews dedicated to:

AI/ML applications in personalized diagnosis and treatment;

Novel biomarker identification and validation studies;

Patient-specific outcome prediction models;

Precision therapeutics in head and neck surgery;

Integration of multi-omics data in personalized care;

Real-world implementation of personalized medicine approaches.

Guest Editor

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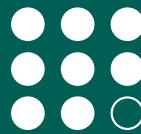
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Deadline for manuscript submissions

15 October 2026



Journal of Personalized Medicine

an Open Access Journal
by MDPI

CiteScore 6.0
Indexed in PubMed



mdpi.com/si/234183

*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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