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.

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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).