

Special Issue

Otolaryngology: Big Data Application in Personalized Medicine

Message from the Guest Editors

The integration of big data into precision medicine is reshaping the landscape of otolaryngology by facilitating more individualized, predictive, and efficacious approaches to patient care. Historically, clinical decision making in otolaryngology has been primarily guided by generalized treatment protocols. The advent of large-scale data analytics, however, has enabled a shift toward personalized care models informed by genomic, environmental, and behavioral data, enhancing the ability to anticipate disease risk, monitor progression, and tailor therapeutic interventions. This Special Issue seeks to critically explore the application of big data methodologies across the spectrum of otolaryngologic disorders, encompassing risk stratification, disease pathogenesis, diagnostic accuracy, clinical management, and treatment outcomes. We welcome high-quality and data-driven studies that advance the application of big data in otolaryngology and contribute to the evolution of precision medicine within the field.

Guest Editors

Prof. Dr. Heng-Ching Lin

School of Health Care Administration, College of Management, Taipei Medical University, Taipei 110, Taiwan

Dr. Yen-Fu Cheng

Department of Otolaryngology–Head and Neck Surgery, School of Medicine, National Yang Ming Chiao Tung University, Taipei 112, Taiwan

Deadline for manuscript submissions

closed (31 January 2026)



Journal of Personalized Medicine

an Open Access Journal
by MDPI

CiteScore 6.0
Indexed in PubMed



mdpi.com/si/237534

*Journal of Personalized
Medicine*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jpm@mdpi.com

mdpi.com/journal/

[jpm](https://www.mdpi.com)





Journal of Personalized Medicine

an Open Access Journal
by MDPI

CiteScore 6.0
Indexed in PubMed



mdpi.com/journal/

jpm



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.

Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker

Department of Laboratory Medicine and Pathobiology, Department of Surgery, University of Toronto, 6 Queens Pk Crescent W.F, Toronto, ON M5S 3H2, Canada

Author Benefits

High Visibility:

indexed within Scopus, PubMed, PMC, Embase, and other databases.

Journal Rank:

CiteScore - Q1 (Medicine (miscellaneous))

Rapid Publication:

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).