Special Issue

Personalized Medicine in Orthopedics and Traumatology

Message from the Guest Editor

The field of orthopedics and traumatology is undergoing a significant shift towards personalized medicine, recognizing the diverse needs of patients, ranging from highly active individuals to the elderly with degenerative conditions. This Special Issue highlights the importance of tailoring treatments to individual patients, considering factors such as age, activity level, risk factors, and specific clinical features. With advancements in technologies like navigation, robotic surgery, and personalized implant designs, clinicians now have a broader array of options to optimize outcomes and reduce complications. However, the challenge lies in understanding the mechanisms behind individual patient responses and effectively implementing personalized approaches in clinical practice. We invite researchers to contribute original research articles and reviews focusing on patient-specific clinical features. mechanisms of orthopedic diseases, risk stratification, and tailored treatment approaches. Emphasis is placed on exploring personalized interventions, diagnosis, and the treatment of intra- and postoperative complications and experimental treatments in orthopedics.

Guest Editor

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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 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).

