

## Special Issue

# Personalized Medicine in Anesthesia and Anesthetics

### Message from the Guest Editor

As many of you already know, artificial intelligence (AI) is becoming an increasingly important part of medicine and perioperative care, with its use expanding every year.

AI stands to improve outcomes when focused on identifying at-risk patients, early detection of complications and implementation of proper personalized treatment.

With this Special Issue, we hope to discuss how can anesthesiologists use AI to improve perioperative outcomes.

Broad topics include general perioperative considerations: intraoperative hypotension prediction, acute kidney injury prediction based on intraabdominal pressure monitoring, analysis of facial features to determine the degree of airway difficulty, algorithms based on perioperative data which can detect early stage of heart failure, closed loop systems which enable precise titration of anaesthesia and analgesia, machine learning models which can predict events like mortality.

With this Special Issue, we hope to encourage submissions that discuss the current state-of-the-art, address ongoing knowledge gaps, and focus on pitfalls and advantages related to artificial intelligence.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 January 2025)



## 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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