

## Special Issue

# Personalized Approaches to Spine Surgery: Innovations and Future Directions

### Message from the Guest Editors

The Special Issue of the Journal of Personalized Medicine, entitled “Personalized Approaches to Spine Surgery: Innovations and Future Directions”, aims to showcase the latest research, reviews, and communications highlighting the cutting-edge advancements and future prospects in personalized spine surgery. We seek contributions that explore the integration of personalized medicine techniques in the diagnosis, treatment, and management of spinal disorders. Topics of interest include, but are not limited to, the use of genomics and biomarkers in surgical planning, innovations in surgical technology and materials, AI applications in diagnostic and treatment strategies, and the impact of personalized approaches on patient outcomes.

We invite you to share your research, insights, and experiences in this rapidly evolving field, contributing to the advancement of personalized spine surgery and the improvement of patient care.

### Guest Editors

Dr. Kai-Uwe Lewandrowski

1. Division of Personalized Pain Therapy Research & Education, Center for Advanced Spine Care of Southern Arizona, 4787 E Camp Lowell Drive, Tucson, AZ 85712, USA
2. Department of Orthopaedics, Fundación Universitaria Sanitas, Bogotá 111321, Colombia
3. Department of Orthopedics, Hospital Universitário Gaffre e Guinle, Universidade Federal do Estado do Rio de Janeiro, Rio de Janeiro 21941-590, RJ, Brazil

Prof. Dr. Kenneth Blum

1. Division of Nutrigenomics, SpliceGen, Therapeutics, Inc., Austin, TX 78701, USA
2. Department of Psychiatry, Wright State University Boonshoft School of Medicine, Dayton, OH 45435, USA
3. Division of Addiction Research & Education, Center for Sports, Exercise, & Mental Health, Western University Health Sciences, Pomona, CA 91766, USA
4. Department of Molecular Biology, Adelson School of Medicine, Ariel University, Ariel, Israel
5. Division of Personalized Pain Therapy Research & Education, Center for Advanced Spine Care of Southern Arizona, Tucson, AZ 85712, USA
6. The Kenneth Blum Behavioral & Neurogenetic Institute, LLC., Austin, TX 78701, USA



## Journal of Personalized Medicine

---

an Open Access Journal  
by MDPI

---

CiteScore 6.0  
Indexed in PubMed



[mdpi.com/si/199735](https://mdpi.com/si/199735)

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

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





# Journal of Personalized Medicine

---

an Open Access Journal  
by MDPI

---

CiteScore 6.0  
Indexed in PubMed



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



## 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.

---

### 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 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).