Special Issue

Mathematical Applications for Clinical Radiotherapy

Message from the Guest Editors

Cancer is a complex disease. An adequate description of cancer can only be obtained by integration of multiple interdependent biological mechanisms in tumor cells and in the tumor microenvironment, including the immune system. Computational tools can create a global description of the diverse biological forces driving tumorigenesis, metastasis, treatment effects and, finally, cure probability. Mathematical intelligence of cancer may be a valuable tool to define new classifications, predictions, and research strategies not only in laboratories, but also in the clinic. Radiation oncology has a distinguished history as a forerunner of personalized treatment modality in clinical oncology. This Special Issue of the Journal of Personalized Medicine is deployed to highlight the current state of the mathematical applications for radiation oncology and showcase some of the latest findings in the field of radiotherapy effects modelling.

Guest Editors

Dr. Luis A. Pérez-Romasanta

Dr. Juan Belmonte-Beitia

Dr. Gabriel F. Calvo

Deadline for manuscript submissions

closed (31 August 2021)

Journal of Personalized Medicine

an Open Access Journal by MDPI

CiteScore 6.0
Indexed in PubMed

mdpi.com/si/75022

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

Journal of Personalized Medicine

an Open Access Journal by MDPI

CiteScore 6.0
Indexed in PubMed

mdpi.com/journal/jpm

MDPI

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 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).