



Drug-Drug-Gene Interactions and Adverse Drug Reactions

Guest Editor:

Dr. Sarah Allegra

Department of Clinical and
Biological Sciences, University of
Turin, 10124 Torino, Italy

Deadline for manuscript
submissions:

closed (1 March 2024)

Message from the Guest Editor

Drug–drug–gene interactions happen when genetic and concomitant drugs interfere with treatment pharmacokinetics and/or pharmacodynamics. Inhibitory, inducing, and phenoconversion interactions between drugs and genes are possible. Any interactions that alter the pharmacokinetics of the victim drugs to either raise or lower the drug concentrations are referred to as inducing or inhibiting interactions. Induction or inhibition can be caused by the administration of another drug that changes the metabolism or transport of the victim drug due to the presence of loss- or gain-of-function genetic variants that change the functions of enzymes.

The Special Issue will focus on drug–drug–gene inhibitory interactions, induction interactions, and phenoconversion interactions. This Special Issue is open to experimental studies, clinical research, and reviews which highlight drug–drug–gene interactions' possible role in clinical practice.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. David Alan Rizzieri

1. Novant Health Cancer
Institute, Winston-Salem, NC
27103, USA
2. Division of Hematologic
Malignancies and Cellular
Therapy, Duke University,
Durham, NC 27710, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, and other databases.

Journal Rank: JCR - Q2 (*Medicine, General & Internal*) CiteScore - Q2 (*Medicine (miscellaneous)*)

Contact Us

Journal of Personalized Medicine
Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jpm
jpm@mdpi.com
[X@JPM_MDPI](https://twitter.com/JPM_MDPI)