

Special Issue

Applications of Pharmacogenomics in Precision Medicine

Message from the Guest Editors

Pharmacogenomics is a growing backbone of personalized medicine, reshaping drug therapy by accounting for individual genetic variation. With advances in genomic technologies and bioinformatics, clinicians can now better predict drug response, minimize or even prevent adverse drug reactions, and select the most effective treatments tailored to each patient's genetic profile. This Special Issue will explore the translational and clinical applications of pharmacogenomics across a broad spectrum of medical fields, including cardiology, psychiatry, oncology, infectious diseases, rare disorders, and beyond. We invite original research articles, reviews, case studies, and methodological papers that examine key areas such as the detection and characterization of novel or known pharmacogenomic variants, their interaction with other drugs (drug–gene interactions), clinical implementation strategies, pharmacogenomics across admixed populations, regulatory frameworks, and ethical considerations.

Guest Editors

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Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*.

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We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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