

Special Issue

Pharmacogenomics for Precision Medicine

Message from the Guest Editor

Pharmacogenomics is an advanced method of customizing medications to individual patients based on their unique genetic makeup. Rather than relying on a one-size-fits-all approach, this technique considers individual variability. While genetic, epigenetic, and gene-expression variability were once believed to be independent factors of phenotype variation, recent studies have shown that they work in tandem to produce distinct effects of medication on an individual. Although research has highlighted the significance of genetic factors in drug effects, the widespread use of pharmacogenomics data remains uncommon in many countries. This may be due to several factors, such as researchers' inconsistent interpretation of data or difficulties understanding and applying these results to precision medicine. This issue invites new research articles representing pharmacogenomics knowledge use in clinical practice (such as a part of precision medicine), economic evaluations of drugs or methods used in therapy, and innovative approaches to educate clinical personnel and high school students on pharmacogenomics and precise treatment.

Guest Editor

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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