



Drug-Drug-Gene Interactions and Adverse Drug Reactions

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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.





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Message from the Editor-in-Chief

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