



Advances in Integration of Pharmacogenetics into Practice

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Message from the Guest Editor

Pharmacogenomics (PGx) is one of the core elements of personalized medicine. PGx information reduces the likelihood of adverse drug reactions and optimizes therapeutic efficacy. The effect of genetic variation plays a major role in drug response variability and can range from serious, potentially life-threatening adverse drug reactions to a lack of therapeutic efficacy. Considering the challenges in contemporary medicine, knowledge about the influence of genetic variation on drug response might be of great importance in predicting therapeutic outcomes. Dosage adjustments according to the patient's genotype for certain drugs and drug classes have already been implemented in relevant clinical guidelines.

This Special Issue of *IJMS* will place a special emphasis on the role of PGx in therapy optimization, as well as on related opportunities and limitations. We welcome original research articles, as well as reviews addressing different issues related to PGx. All submitted articles must be related to molecular studies.





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Message from the Editor-in-Chief

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