



Pharmacogenomics

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Message from the Guest Editor

It is a great pleasure for me to accept the kind invitation of the International Journal of Molecular Sciences to serve as Editor of an Special Issue on “Pharmacogenomics”. I think that this is a timely initiative which will be of interest to most medical disciplines. Cardiovascular disorders (25%–30%), cancer (20%–25%) and brain disorders (10%–15%) represent over 60%–70% of morbidity and mortality in developed countries. Approximately 10%–20% of direct costs for disease management are attributed to pharmacological treatment, and, unfortunately, it is estimated that drug efficacy is restricted to 20%–30% of the cases treated with a particular drug in almost any medical specialty. Many different factors influence drug efficacy and safety, including the chemical properties of a drug, route of administration, disease stage, nutrition, compliance, drug–drug interactions, and pharmacogenomics.

In the coming years, the onset of a revolutionary transformation of protocols and strategies for drug development is expected. Pharmacogenomics is one of the doors to enter the complex building of personalized medicine.





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Message from the Editor-in-Chief

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