

Special Issue

Pharmacogenomics 2.0

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 of a 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 through which to enter the complex building of personalized medicine.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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