

Special Issue

Advances in Integration of Pharmacogenetics into Practice

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.

Guest Editor

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Deadline for manuscript submissions

closed (15 April 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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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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