

Special Issue

Current Research on Pharmacogenomics

Message from the Guest Editor

Genetic variation has long been considered an important contributor to inter-individual variability in drug response. Many common variants in genes that are involved in drug absorption, distribution, metabolism, and excretion (ADME) are shown to decrease or increase enzyme activity and, as a result, may affect drug efficacy and induce drug toxicity. However, even with strong scientific evidence supporting the pharmacogenetic associations of these variants, their clinical implementation remains limited. Over the last 20 years, the development of sequencing technologies has revealed hundreds of thousands of novel and rare variants in pharmacogenes. It provides opportunities that help us to identify novel pharmacogenomic associations and profile pharmacogenomic variations between individuals and populations, but also poses significant challenges regarding variant interpretation and clinical implementation. This Special Issue aims to present readers with updated research and expert opinions that addresses the current opportunities and challenges in the pharmacogenomics field.

Guest Editor

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We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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