

## Special Issue

# New Trends and Challenges in Pharmacogenomics Research

### Message from the Guest Editor

The field of pharmacogenomics is rapidly growing due to major advancements in sequencing technology. While pharmacogenomics has shown promise in reducing the burden of drug adverse events, the adoption of pharmacogenomics into routine practice has been lagging. Compounded by the limited sample size, the role of pharmacogenomics in early drug development programs remains limited to fully characterize the effect of genetic variability on drug response.

This Special Issue aims to highlight the trends, barriers, and opportunities to move pharmacogenomics from the bench to bed and back again. When shifting from a single gene variant to a polygenic risk assessment to predict the response, novel approaches to account for common and rare variants to assess the patient's overall response are needed. These approaches will likely be able to optimize patient treatment outcomes as well as the selection of patients in clinical trials. We welcome the submission of both research and review articles to this Special Issue.

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### Guest Editor

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### Deadline for manuscript submissions

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## Journal of Personalized Medicine

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## About the Journal

### Message from the Editor-in-Chief

*Journal of Personalized Medicine* is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on “omics”-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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### Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker

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