



## Gender Medicine: Pharmacometabolomics and Personalized Medicine

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### Message from the Guest Editors

There is an urgent need to optimize pharmacological therapy due to high inter-individual variability and economic costs. Sex and gender differences are evident in a multitude of diseases. The omics are fundamental to personalized medicine and therapy; however, they do not cover the multiple aspects of a person, such as environmental or psychosocial factors, that may alter gene expression, limiting the predictions of drug responses based only on genomic differences. Sex and gender medicine and pharmacology play a protagonist role in the application of real personalized care; they utilize all known omics, including “personomics”, to support the importance of life experiences and to underline their relevance in health and medicine. Biological omics plus personomics represent the way forward to personalized medicine for all.

The focus of this Special Issue is on how many factors one has to consider to achieve real gender medicine, which is essential to arrive at real personalized medicine, as well as potential novel advances in the care of all.





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