

Special Issue

Personalized genomic medicine: challenges and opportunities for the diagnosis and the treatment of human disease

Guest Editor:

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Special Issue Introduction

Personalized medicine understands the disease with molecular perspectives, which has brought new classification systems and more effectively preventive and therapeutic interventions. It seeks to precisely categorize disease and subtypes of disease, such that applicable treatments can be improved to a patient's distinctive molecular profile and physiology. Pharmacogenomics plays a crucial role in an evolving model of personalized medicine. It is well known that response to medications and side effects are different in every single patient. The inter-individual variability seems to explain these differences which are mainly based on the individual genomic sequence. It possesses the potential that treatment will be tailored to each individual patient in the future. Although genomic testing is still a relatively new development in clinical treatment, this field is expanding. The special issue in Personalized Genomic Medicine focused on the studies about genetics, genomics, pharmacogenomics etc., which may improved the efficacy and safety of individualized clinical treatment. This special issue welcomes submitted articles in the form of original research, reviews and evaluations of discoveries about personalized medicine.

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