



Pharmacokinetics and Pharmacodynamics in Personalized Medicine

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The success of personalized medicine depends on accurate diagnostic tests with individual pharmacokinetic (PK) and pharmacodynamics (PD) characteristics. PK and PD are the two main principles determining the relationship between dose and response.

PK helps to determine the dose–response relationship in individual clinical efficacy and drug toxicity. PD is used to measure the clinical outcomes. Due to individual differences, variations in the PD response become more profound. PK/PD modelling is the discipline establishing quantitative links between PK and PD fundamental features.

New drugs and old drugs with narrow therapeutic windows and higher toxicities usually need PK, PD, and PK/PD studies. These old drugs include, but are not limit to antibiotics, immunosuppressants, cardiovascular drugs, and psychotropic drugs.

Dr. Lijun Zhang
Guest Editor





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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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