

## Pharmacokinetics and Pharmacodynamics in Personalized Medicine

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

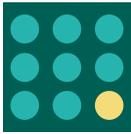
The success of personalized medicine depends on accurate diagnostic tests with individual pharmacokinetic (PK) and pharmacodynamics (PD) characteristics. PK and PD are the two main principles determining the relationship between dose and response.

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

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