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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 (*JPM*; ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

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