Recent Application of Pharmacokinetics in Drug Development and Drug Therapy

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Message from the Guest Editors

A better understanding of pharmacokinetics (PKs) associated drug responses is essential to optimize drug development processes and drug therapy. To date, there has been growing interest in the use of advanced PKs for the determination of dosing strategies in new drug development. Moreover, with interest in personalized medicine, advanced PKs are expected to play a more important role in drug therapy as well as in drug development. Recent studies related to PKs have extended beyond the calculation of traditional PK parameters to PK modeling, PK/PD modeling, physiologically based pharmacokinetic (PBPK) modeling, population approach, and in vitro and in vivo correlation. These are represented by model-informed drug development (MIDD), which allows to reflect complex demographical, environmental, and pathophysiological conditions into the dosing regimen. This Special Issue on "Recent Application of Pharmacokinetics in Drug Development and Drug Therapy" will cover a wide range of topics, including but not limited to PKs, pharmacogenomics, biopharmaceutics, population PKs, PBPK modeling, drug interactions, and related disciplines.

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Special Issue

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Message from the Editor-in-Chief

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