

Special Issue

Approaches to Individualized Drug Therapy Based on Population Pharmacometrics

Message from the Guest Editors

Pharmacometrics modeling plays a leading role in the journey towards personalized therapy by quantitatively predicting the correlations of the various factors influencing changes in drug behavior in in vivo systems. The demand for physiologically based pharmacokinetic–pharmacodynamic modeling techniques is increasing in the pharmaceutical and clinical industries, with the ultimate aim of improving effects through optimal drug therapy. Pharmacometrics modeling is clearly an important tool in drug development and for the development of effective clinical applications. The purpose of this Special Issue is to collect approaches to individualized drug therapy based on population pharmacometrics. This issue will not be limited to population modeling, but will also include work on the prediction of drug behavior through mathematical modeling and model simulations. In addition, extended application studies on model-based clinical dosing systems and regimens are also welcome. This Special Issue is an opportunity to move one step closer to precision medicine based on quantitative modeling techniques.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2023)



Pharmaceutics

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Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



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