Special Issue

Applications of Physiologically-Based Pharmacokinetic (PBPK) Modeling

Message from the Guest Editor

Physiologically-based pharmacokinetic (PBPK) modeling has matured to a powerful and widely accepted approach to integrate information from different stages of drug research and development, to predict untested scenarios and to support decision making. The three major regulatory agencies (FDA, EMA, and PMDA) encourage PBPK modeling for the assessment of drug-drug interaction (DDI) potential, the development of alternative dosing regimens or even to waive clinical studies. Furthermore, PBPK models are increasingly used to evaluate the effects of patient factors on drug exposure, and they are excellent tools to develop alternative dosing regimens for patients.

Guest Editor

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