

Special Issue

ABC Transporter-Mediated Drug Disposition

Message from the Guest Editor

ATP-binding cassette (ABC) transporters are primarily efflux transporters that mediate active transport of drugs, xenobiotics and endogenous substances out of cells. Since P-glycoprotein discovered, ~50 ABC transporters have been found in humans. Studies have shown that ABC transporters play very important roles in the absorption, distribution and elimination of drugs and xenobiotics. Investigating these transporters is an integral part of drug discovery and development. This Special Issue will cover, but not limited to, roles of ABC transporters in absorption, distribution and elimination of drugs/xenobiotics, DDIs and xenobiotic toxicity, in vitro transport characterization, ABC transporter-enzyme interplay, and new methods, such as PBPK modeling and simulation to investigate ABC transporters in drug disposition.

Guest Editor

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Deadline for manuscript submissions

closed (14 September 2018)



Pharmaceutics

an Open Access Journal
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Impact Factor 5.5
CiteScore 12.5
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