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ABC Transporter-Mediated Drug Disposition

Guest Editor:

Dr. Qingcheng Mao
Department of Pharmaceutics, School of Pharmacy, University of Washington, Seattle, Washington, USA

Deadline for manuscript submissions:
closed (14 September 2018)

Message from the Guest Editor

Dear Colleagues,

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.

Dr. Qingcheng Mao

Guest Editor

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Prof. Dr. Patrick J. Sinko
Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

Message from the Editor-in-Chief

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Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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