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 transporterenzyme interplay, and new methods, such as PBPK modeling and simulation to investigate ABC transporters in 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)



Pharmaceutics

an Open Access Journal by MDPI

Impact Factor 5.5 CiteScore 10.0 Indexed in PubMed



mdpi.com/si/13675

Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

mdpi.com/journal/pharmaceutics





an Open Access Journal by MDPI

Impact Factor 5.5 CiteScore 10.0 Indexed in PubMed



About the Journal

Message from the Editor-in-Chief

Pharmaceutics (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceutics and biopharmaceutics. The scientific community, the wider community and the general public have unlimited and free access to the content as soon as a paper is published; this open access to your research ensures your findings are shared with the widest possible audience. Please consider publishing your impressive work in this high quality journal. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).

