

Special Issue

Transport of Drugs through Biological Barriers—an Asset or Risk

Message from the Guest Editors

Drug transport across biological barriers in humans and animals plays a key role in drug delivery to a biological target. Insufficient drug transport is a serious obstacle to a drug's intended activity. In some cases, however, undesired compounds are absorbed through biological barriers (e.g., the skin, placenta or blood–brain barrier), posing a danger to humans and animals alike. This Special Issue primarily focuses on (but it is not limited to) the following:

- In vivo, in vitro or in silico studies of drug transport through biological membranes;
- Compound absorption from the gastro-intestinal tract, through skin or mucous membranes;
- Pulmonary or ophthalmic absorption;
- Transport of unwanted chemicals through the placenta or to mothers' milk;
- Blood–brain barrier transport of xenobiotics;
- Human and animal absorption of environmental contaminants via different routes;
- Studies of compounds' drug-likeness;
- QSAR permeability studies;
- Alternative drug delivery routes—novel methods or formulations.

Guest Editors

Prof. Dr. Anna Weronika Sobańska
Dr. Heidi Kidron
Prof. Dr. Franciska Erdő

Deadline for manuscript submissions

closed (20 December 2024)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/191934

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

[mdpi.com/journal/
pharmaceutics](https://mdpi.com/journal/pharmaceutics)





Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



[mdpi.com/journal/
pharmaceutics](https://mdpi.com/journal/pharmaceutics)



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 pharmaceuticals and biopharmaceuticals. 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, CAPIus / 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 15.7 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).