

Special Issue

Membrane Transporters in Biomedicine and Drug Development

Message from the Guest Editor

This Special Issue of *Pharmaceutics* aims to cover the field of cellular membrane transporters in biomedical research, especially focusing on targeted and accidental drug effects, as well as the role of membrane transporters in the development of new pharmaceutical agents. Now it has become generally accepted that the transmembrane movement of most of the xenobiotics and pharmaceutical agents depends on the function of membrane transporters. Except drug-metabolizing enzymes, the in vivo ADME-tox parameters are crucially affected by the transporter-dependent entry or efflux of the clinically applied compounds. By a specific or non-specific modulation of transporters may elicit, some unexpected major effects on tissue-dependent efficacy and toxicity. New in vitro and in vivo techniques have been developed to study these phenomena, and regulatory agencies strongly emphasize the need for preclinical studies of transporters potentially involved in drug interactions. This Special Issue should help to provide a collection of original research and review papers covering this biomedically important field, further helping the advancement of clinical applications.

Guest Editor

Prof. Dr. Balázs Sarkadi

Membrane Transporter Laboratory, Research Centre for Natural Sciences, 1117 Budapest, Hungary

Deadline for manuscript submissions

closed (31 December 2022)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/113500

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 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
Department of Pharmaceutics, Ernest Mario School of Pharmacy,
Rutgers University, Piscataway, NJ 08854, 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).