

Special Issue

Drug Delivery to the Brain

Message from the Guest Editor

Dear colleagues, The blood–brain barrier (BBB) and blood–cerebrospinal fluid (BCSF) barriers are critical determinants of CNS homeostasis. Additionally, the BBB and BCSF barriers are formidable obstacles to effective drug delivery to the brain. These barrier tissues are characterized by highly limited paracellular transport and expression of numerous efflux transporters that greatly restrict the ability of small and large molecule drugs to access therapeutic targets in brain tissue. Over the past many years, multiple approaches have been developed in an effort to circumvent brain barriers and improve the pharmacotherapy of neurological diseases. In this Issue of *Pharmaceutics*, critical considerations for drug permeation across brain barriers will be discussed, and state-of-the-art current and future strategies for effective CNS drug delivery will be rigorously reviewed. Additionally, remaining challenges for the treatment of neurological diseases will be outlined with an emphasis on how solutions to such issues can be provided via cutting edge preclinical and clinical studies.

Guest Editor

Prof. Dr. Patrick T. Ronaldson
Department of Pharmacology, College of Medicine, University of Arizona, Tucson, AZ 85724-5050, USA

Deadline for manuscript submissions

closed (31 October 2019)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 12.5
Indexed in PubMed



mdpi.com/si/23889

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 12.5
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).