



Drug Delivery across Biological Barriers

Guest Editors:

Prof. Dr. Tatiana B. Tennikova

Institute of Chemistry, Saint
Petersburg State University,
199034 Saint Petersburg, Russia

**Dr. Evgenia G. Korzhikova-
Vlakh**

1. Institute of Macromolecular
Compounds, Russian Academy of
Sciences, 199004 Saint-
Petersburg, Russia
2. Institute of Chemistry, Saint-
Petersburg State University,
Universitetsky pr. 26, 198504 St.
Petersburg, Russia

Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editors

Dear Colleagues,

Assuring the efficient transport of therapeutics in the body represents the crucial problem during the construction of advanced drug delivery nanosystems. Recent advances in the development of biomaterials, have rendered a significant improvement of the currently proposed drug delivery strategies. Besides the increased bioavailability of pharmaceutical agents, targeting them directly to diseased sites, and controlling their circulation time and release rate, the problem of penetration across tissues and/or entry within cells seems to be important and needs to be solved. The design of strategies to control the transport of therapeutic compounds through such physiological barriers as mucosal, endothelial, blood–brain, cellular membrane and numerous other barriers has become an imperative and a challenging need to provide better therapy efficacy.

This Special Issue will provide readers with an overview of the current advances in this field regarding delivery systems that facilitate the transport of drug-containing nanosystems at the tissue, cell, and subcellular levels.

Prof. Tatiana B. Tennikova
Prof. Evgenia G. Korzhikova-Vlakh
Guest Editors





an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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)

Contact Us

Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/pharmaceutics
pharmaceutics@mdpi.com
X@MDPIpharma