



Non-invasive Delivery of Biologics: Formulation Strategies and Regulatory Aspects

Guest Editors:

Prof. Dr. Ildikó Csóka

Institute of Pharmaceutical Technology and Regulatory Affairs, University of Szeged, H-6720 Szeged, Hungary

Dr. Ruba Ismail

Institute of Pharmaceutical Technology and Regulatory Affairs, Faculty of Pharmacy, University of Szeged, Eötvös utca 6, H-6720 Szeged, Hungary

Deadline for manuscript submissions:

closed (31 May 2022)

Message from the Guest Editors

Over the past two decades, biologics, ranging from small peptides to monoclonal antibodies, have revolutionized the treatment of difficult-to-treat diseases, notably cancer, metabolic disorders and systemic autoimmune diseases. Aiming to enhance patients' adherence to the treatment and minimize the complications of the parenteral route, the non-invasive delivery of biologics is highly desired. This issue focuses on recently developed formulation strategies and novel delivery systems to advance the non-invasive administration of biological drugs, in addition to discussing regulatory aspects and future perspectives of biologics development.

Keywords: biologics; peptides; proteins; monoclonal antibodies; vaccines; biologics formulation; non-invasive delivery; nanomedicine; novel drug delivery systems; regulatory affairs





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patrick J. Sinko

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