

Special Issue

Advancing Biologic Drug Development Through Physiologically Based Pharmacokinetic Modelling and Simulations

Message from the Guest Editors

Biologic drugs represent an excellent opportunity to effectively and safely treat many diseases. These advanced therapies bring to the therapeutic options the “magic bullet” concept Paul Ehrlich proposed in the 19th century. However, understanding the pharmacokinetics and pharmacodynamics in the systemic circulation, specific tissues, and the site of action is of great interest to the scientific community in efficiently developing effective and safe drugs for our patients. This Special Issue aims to collect research works where physiologically based pharmacokinetic modeling strategies have been used to advance the knowledge of biological drugs during drug discovery and development. In this Special Issue, original research articles and reviews are welcome. Research areas may include, but are not limited to, biologics disposition, tissue distribution, receptor occupancy prediction, first-in-human dose selection, dose regimen optimization, and special populations.

Guest Editors

Dr. Victor Mangas Sanjuán

Department of Pharmacy and Pharmaceutical Technology and Parasitology, University of Valencia, 46100 Valencia, Spain

Dr. Javier Reig Lopez

1. Department of Pharmacy and Pharmaceutical Technology and Parasitology, University of Valencia, Valencia, Spain
2. Interuniversity Research Institute for Molecular Recognition and Technological Development, University of Valencia, Valencia, Spain

Deadline for manuscript submissions

closed (31 March 2026)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/218500

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).