



## Role of Pharmacokinetics in Drug Development and Evaluation

Guest Editor:

### Prof. Dr. David R. Taft

Samuel J. and Joan B.  
Williamson Institute for  
Pharmacometrics, Division of  
Pharmaceutical Sciences, Arnold  
& Marie Schwartz College of  
Pharmacy and Health Sciences,  
Long Island University, Brooklyn,  
NY 11201, USA

Deadline for manuscript  
submissions:

**closed (20 February 2025)**

### Message from the Guest Editor

Dear Colleagues,

Drug development requires a multidisciplinary effort to transform a chemical compound into a medicine that can be safely and effectively administered to a patient. The goal of drug therapy is to deliver the right amount of a drug over the right timeframe so that target plasma concentrations are achieved and/or maintained. Pharmacokinetics is a critical determinant of drug action in vivo since it drives the systemic exposure that is achieved following drug administration.

This issue is dedicated to investigations demonstrating the critical role of pharmacokinetics in drug development and evaluation. Pharmaceutical scientists are invited to share their research demonstrating how the pharmacokinetic properties of a compound were optimized through formulation development or other approaches in order to achieve goals such as reducing the impact of food- and drug-drug interactions, providing patient-friendly dosing schedules, or increasing the safety profile of medication.

Prof. Dr. David R. Taft  
*Guest Editor*





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](http://www.mdpi.com)

[mdpi.com/journal/pharmaceutics](http://mdpi.com/journal/pharmaceutics)  
[pharmaceutics@mdpi.com](mailto:pharmaceutics@mdpi.com)  
X@MDPIpharma