



Innovative Tools for Therapeutic Drug Monitoring

Guest Editors:

Prof. Dr. Zoubir Djerada

Department of Pharmacology
and Toxicology, Université de
Reims Champagne-Ardenne,
HERVI, CHU Reims, 51100 Reims,
France

Prof. Dr. Xavier Delavenne

Laboratory of Pharmacology and
Toxicology, 42100 Saint-Étienne,
France

Deadline for manuscript
submissions:

closed (10 December 2022)

Message from the Guest Editors

Dear Colleagues,

The variability of drug response complicates the prediction of the risk–benefit balance, limiting the real benefit of treatment. The pharmacometrics approach provides an attractive solution to characterize the variability of response to drugs and identify the clinical and biological parameters for therapeutic drug monitoring. A priori adaptation can be proposed when taking variability into consideration. A more precise a posteriori optimization can be made when integrating drug concentrations and metabolites in biological matrices, combined, if necessary, with pharmacogenetic data. The integration of clinical data (patient characteristics, clinical response, undesirable effects, toxic effects) finally makes it possible to propose a more rational individualization. This Special Issue provides a panorama of the state of the art of therapeutic drug monitoring and its tools. Examples of modern approaches to adapting dosages for different pharmacological classes in different medical specialties and situations such as anesthesia, infection, psychiatry, neurology, cardiology, oncology, intensive care medicine, chronic inflammatory diseases, etc. are also welcome.





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 & Pharmacy*) / CiteScore - Q1 (*Pharmaceutical Science*)

Contact Us

Pharmaceutics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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