



pharmaceutics

IMPACT
FACTOR
4.9

Indexed in:
PubMed

CITESCORE
7.9

Special Issue Reprint

Model-Informed Precision Dosing

www.mdpi.com/books/reprint/7075

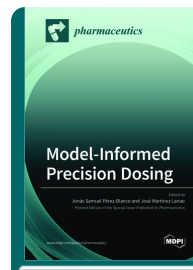
Edited by

Jonás Samuel Pérez-Blanco

José Martínez Lanao

ISBN 978-3-0365-6896-6 (Hardback)

ISBN 978-3-0365-6897-3 (PDF)



Model-informed precision dosing (MIPD) is an advanced quantitative approach focusing on individualized treatment optimization. MIPD integrates mathematical models of drugs and diseases combined with individual patient characteristics (e.g., genotype, anthropometric factors, and organ function). MIPD has been highlighted as a useful tool for drug dosage selection in both the drug development process and clinical practice and it is a rapidly growing discipline that is supported by the main drug regulatory agencies. Despite the potential benefits of this methodology toward personalized medicine, its application is still limited. The Special Issue presented here includes several PKPD and PBPK models focused on improving the current state of art regarding the PK behaviour of different drugs with the aim of improving the efficacy/safety balance of these treatments and their clinical outcome; the Special Issue is intended to be of particular interest for clinical pharmacologists, pharmacometricians, and specific clinicians who routinely use the considered drugs.



Order Your Print Copy

You can order print copies at

www.mdpi.com/books/reprint/7075

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.