

Special Issue

Using In Vitro and Ex Vivo Models to Evaluate Strategies for Drug Delivery Improvement

Message from the Guest Editors

This special issue covers topics related to drug delivery improvement that have been evaluated using applicable *in vitro* and/or *ex vivo* models. These models may include epithelial cell lines grown as monolayers on insert membranes and/or excised epithelial tissues mounted in Ussing type diffusion chambers for measurement of drug permeation. Contributions on models representing any route of drug administration will be accepted including gastrointestinal tract epithelium (oral administration), nasal respiratory and olfactory epithelium (intranasal and intra-respiratory administration), mouth, cheek, and tongue epithelium (buccal and/or sublingual administration) and the skin (transdermal administration) amongst others. Drug delivery improvements achieved by means of formulation approaches such as carrier systems (e.g., nanoparticulate systems and cyclodextrin inclusion complexes), smart delivery systems (thermosensitive gel systems), drug absorption enhancers (e.g., chitosan, surfactants etc.) or by enhancement of solubility (e.g., amorphous solid dispersions) will be considered for inclusion in the special issue.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2024)



Pharmaceuticals

an Open Access Journal
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Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/204001

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Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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