



Tissue Engineering and Organ-on-Chip of Biological Barriers for Drug Absorption and Delivery Testing

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Message from the Guest Editors

In the development of new drugs or drug delivery systems as well as in the evaluation of bioavailability and bioequivalence, studies on drug absorption and distribution are essential. In the sense of the 3R concept and in the effort to implement studies on human models, numerous approaches for cell culture-based models of epithelial and endothelial barriers as alternative methods for animal experiments have already been established in the last two decades. In particular, modern methods of tissue engineering and, more recently, organ-on-chip technology enabled by micro- and nanofabrication have led to even more significant models of drug transport barriers in the human body. This Special Issue is, therefore, intended to present the broad diversity of research as well as the progress made in this field. We would like to encourage scientists from academia and industry to submit their latest results that can be attributed to this major topic. In addition to the pure collection of research results, however, we will also be pleased if this Special Issue helps to promote scientific exchange in this field and further strengthen the scientific network.





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Message from the Editor-in-Chief

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