

Special Issue

Drug Delivery across Biological Barriers, 2nd Edition

Message from the Guest Editors

Assuring the efficient transport of therapeutics in the body is a crucial problem that should be taken into consideration during the construction of advanced drug delivery nanosystems. Recent advances in the development of biomaterials have rendered a significant improvement of the currently proposed drug delivery strategies. In addition to the increased bioavailability of pharmaceutical agents as a result of protecting them from degradation, targeting them directly to diseased sites, and controlling their circulation time and release rate, the problem of penetration across tissues and/or entry within cells seems to be important and needs to be solved. The design of strategies to control the transport of therapeutic compounds through such physiological barriers as mucosal, endothelial, blood-brain, cellular membrane and numerous other barriers has become an imperative and a challenging need to provide better therapy efficacy. This Special Issue will provide readers with an overview of the current advances in this field regarding delivery systems that facilitate the transport of drug-containing nanosystems at the tissue, cell, and subcellular levels.

Guest Editors

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