

Special Issue

Drug Transporters in Absorption, Disposition and Elimination

Message from the Guest Editor

It has become clear that solute carriers (SLCs) and drug transporters of the ATP-binding cassette family (ABC transporters) are crucial determinants in the absorption, disposition, and elimination of many drug substances. Currently, the SLC family consists of more than 400 members, yet many of these carriers and their impact on drug substances in terms of cellular expression, cellular function, absorption, and disposition remain largely unexplored. Similarly, ABC transporters are known to reduce cellular retention and accumulation of low-permeable drug substances, yet formulation approaches to the modulation of their function to increase absorption or modulate disposition are few. The present Special Issue seeks contributions in the field of solute carriers and ABC transporters in the areas of absorption, disposition, and elimination. Contributions addressing models and methods to study the function and expression of SLCs and ABCs in the broadest sense are also welcome. This Special Issue will serve to capture contemporary progress in the field of drug transporters, in terms of both our fundamental understanding of them and their practical application.

Guest Editor

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