

Special Issue

Drug Transporters: Regulation and Roles in Therapeutic Strategies

Message from the Guest Editor

Drug transporters are the gatekeepers for cells in many organs such as brain, liver, intestine, kidney and placenta, controlling the flux of drugs into and out of the cells, and therefore crucially influence the absorption, distribution and elimination of drugs in the body. Various factors such as genetic and environmental factors, disease states, drug-drug interactions, and post-translational modification can lead to alterations in the expression and activity of the drug transporters, possibly impacting the therapeutic outcomes. The articles featured in this theme issue are contributed by experts in the drug transport field and are examples of the focused efforts in drug transport research, particularly on the regulation of the drug transporters and their roles in therapeutic strategies. Understanding the contribution of drug transporters in drug disposition will provide significant insights into the approaches of maximizing therapeutic efficacy and minimizing drug-related toxicity.

Guest Editor

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