

Special Issue

Current Research in Drug Metabolism and Drug-Drug Interactions (DDIs)

Message from the Guest Editor

Special Issue entitled “Current Research in Drug Metabolism and Drug-Drug Interactions (DDIs)” will consider for publication manuscripts describing the results of original basic and clinical research that contribute significant and novel information on the following topics: The metabolic studies of important existing drugs or known toxicants that address their potential clinical or translational significance; Novel in vivo, in vitro, ex vivo, or in silico model systems for drug metabolism and DDIs, such as 3-D culture, stem cells, and liver-on-a-chip systems; Novel analytical technologies and toolboxes that can be broadly applied to the study of drug metabolism and DDIs; The mechanistic aspects of drug metabolism and DDIs, including the structural studies of formed (reactive) metabolites, enzymes, and transporters and the biochemical studies of nuclear receptors that regulate drug metabolism; The impact of drug metabolism on pharmacokinetics, pharmacodynamics, or drug adverse effects, such as DDIs; The studies of drug metabolism by microbiome or other non-animal species offer new insights into the biological fate of drugs or other xenobiotics in living systems.

Guest Editor

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