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Roles of Non-coding RNAs in Drug Metabolism and Disposition

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Message from the Guest Editors

Drug metabolism and disposition are biological processes that occur after drugs are administrated into the body, including absorption, distribution, metabolism, and excretion (ADME), which have direct impacts on the therapeutic efficacy and toxicity of drugs. Drug-metabolizing enzymes and transporters are major key players in determining the features of ADME of small chemical drugs, which are tightly regulated by various key regulatory factors, including non-coding RNAs (ncRNAs). Accumulated evidence has shown that microRNAs (miRNAs) and long non-coding RNAs (lncRNAs) participate in regulatory events at various levels of transcription, post-transcription, and translation to control expression of drug-metabolizing enzymes and transporters at the key drug-processing organs, such as the liver, intestine, and kidneys. This Special Issue aims to publish a set of research and review articles focusing on the emerging knowledge of the roles of ncRNAs in drug metabolism and disposition.

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Special Issue

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Editor-in-Chief

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Message from the Editor-in-Chief

This field finally has a dedicated journal where its broad community can communicate and exchange its latest findings in one centralized place. This field was built stone by stone from the many scientific contributions from extremely diverse horizons, studying gene silencing in plants, position effect variegation in drosophila or quelling in fungi. This field has achieved maturity, but a lot remains to be discovered! Our aim is to publish manuscripts from all horizons that will have a high impact on the development of the field. Let's have fun and wish *Non-Coding RNA* a long and rewarding life!

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