



New Aspects of Pharmacology and Toxicology of Antibacterial Drugs

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Message from the Guest Editor

Antibacterial drugs have been widely used for infection therapy worldwide, and they play an important role in human and animal health. Many antibiotics have been widely used in clinical practice, and the primary mechanisms of action have been well established. However, more recent studies have indicated that many antibacterial drugs exhibit secondary killing mechanisms. Additionally, prolonged antibiotic treatment may lead to detrimental side effects in patients yet the mechanisms underlying the effects of antibiotics in mammalian systems remain unclear. Investigations on the new aspects of pharmacology and toxicology of antibacterial drugs, including new targets, new pathways, or new death mode, are very important in the development of attenuation strategies, combination therapy, and development of derivatives of these current clinical available antibacterial drugs.

This Special Issue aims to collect all new research aspects of pharmacology and toxicology of antibacterial drugs, including new targets, new pathways, new death mode, new combination therapy based on reduced toxicity or enhanced antibacterial effect, metabolic modulation, and so on.





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Message from the Editor-in-Chief

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