Special Issue

Mechanisms and Treatment of Psychiatric Disorders: Animal Models in Psychiatry

Message from the Guest Editor

Psychiatric disorders are particularly difficult to diagnose and treat due to the heterogeneity of their causes and symptoms. Many of the drugs used to treat these disorders have long delays in their efficacies along with several undesirable side effects, rendering these drugs ineffective in patients. The primary reason for this is the lack of understanding of the basic mechanisms that underlie these disorders. This has prevented the translation of preclinical studies to addressing the pathology in human patients; therefore, there is an urgency for the development of more potent therapies for these disorders.

Animal models are important means for studying the etiology, pathology, and therapeutic mechanisms of psychiatric disorders in a controlled manner, which is not possible in clinical settings. These studies are essential when investigating different potential causes of psychiatric disorders. In addition, animal models allow for the better monitoring of disease progression and treatment responses, enabling the investigation of molecular, structural, and functional changes in the brain associated with different etiologies and therapies.

Guest Editor

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