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Animal Models of Neurological Disorders: Where Are We Now?

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Message from the Guest Editors

Dear Colleagues,

Animal models are powerful tools for investigating the key principles and underlying mechanisms of diseases and disorders. The use of animal models has allowed us to conduct various types of experiments and interrogate the mechanisms underlying diseases and disorders in manners that are unfeasible and unthinkable to apply to human patients. To date, various mammalian and non-mammalian animal models of neurological disorders have been established and characterized. They reflect the genetics, behavioral, and/or electrophysiological phenotypes of human patients. There are various neurological disorders but, in this issue, we are focusing on five prominent disorders: Parkinson's disease, Alzheimer's disease, epilepsy, Huntington's disease, and schizophrenia. This Special Issue will provide experimental evidence, updated views, and new treatment strategies regarding these disorders. Critical discussions on the advantages and limitations of animal models used to mirror these neurological disorders are also welcome.

Prof. Dr. Marc Ekker

Dr. Sandesh Panthi

Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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