



NMDA Receptor in Health and Diseases

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Message from the Guest Editor

Dear Colleagues,

The NMDA (N-methyl-D-aspartate) receptor, which is one of three types of ionotropic glutamate receptors, plays important roles in physiological and pathological conditions as an excitatory transmission regulation molecule in the central nervous system. Despite the ligand-gated ion channel, the NMDA receptor is regulated by voltage-dependent Mg^{2+} blocking, removed by outward flow of the positive current.

The purpose of this Special Issue will introduce the fields associated with NMDA receptors, explore advances and disadvantages in the role of NMDA receptors in diseases and disorders of the CNS, and discuss their possibilities as pharmacological tools to regulate glutamatergic transmission in several psychiatric disorders and neurodegenerative diseases associated with NMDA receptors. We invite authors to submit original research and review articles related to any of these aspects.





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