



## The Role of Dopamine Neurotransmitters in Neurological Diseases: New Sight

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### Message from the Guest Editor

Dear Colleagues,

Dopamine is one of the most important catecholamine neurotransmitters in the central nervous system and plays an important role in regulating many functions of the brain, such as motor, cognition, emotion, positive reinforcement, feeding and endocrine functions. Dopamine is closely related to the pathogenesis of neurological diseases such as Parkinson's disease, schizophrenia, Tourette's syndrome, drug addiction, learning and memory deficits, and attention deficit hyperactivity syndrome. Among them, schizophrenia is mainly related to dopamine dysfunction, and treatments targeting the central nervous system dopamine pathway have also been developed. Most frequently used antipsychotics primarily reduce the level of dopamine activity.

Prof. Dr. Yingfang Tian





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