



The Role of Dopamine Neurotransmitters in Neurological Diseases: New Sight

Guest Editor:

Prof. Dr. Yingfang Tian

College of Life Sciences, Shaanxi
Normal University, Xi'an 710062,
China

Deadline for manuscript
submissions:

closed (15 January 2024)

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





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI