

Special Issue

Psychedelic Drugs and Beyond

Message from the Guest Editors

Dissociative drugs, encompassing psychedelic, hallucinogenic drugs, have been the object of numerous studies to better understand their mechanisms of action. Recurrent targets of research include the N-methyl-D-aspartate glutamatergic receptors for ketamine or phencyclidine and the serotonin 2A receptor (5-HT_{2A} receptor) subtype for serotonergic hallucinogenic drugs, including LSD25, psilocin, and mescaline, although this list can easily be implemented with kappa receptors and salvinorin-A. Interest in these molecules surpasses their powerful action on consciousness, as a growing volume of clinical and experimental data indicate their possible use in a variety of conditions including mood disorders. Some of these compounds, namely ketamine, LSD25, and psilocine, have been used in the treatment of depression, with a rapid onset action lasting for days to weeks. The purpose of this Special Issue is to collect original research articles and reviews that concern the mechanism of action of these fascinating drugs. Contributions from different fields of research are welcomed in addition to the pure molecular aspects.

Guest Editors

Prof. Dr. Philippe De Deurwaerdere

Centre National de la Recherche Scientifique (Unité Mixte de Recherche 5287), 33076 Bordeaux CEDEX, France

Dr. Franck Vandermoere

IGF - Institut de Génomique Fonctionnelle, CNRS UMR 5203, Inserm U1191, Université de Montpellier, 141, rue de la Cardonille, 34094 Montpellier CEDEX 5, France

Deadline for manuscript submissions

closed (20 November 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/103014

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

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.

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

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 and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)