

Special Issue

Molecular Mechanisms and Drug Treatment in Alzheimer's Disease

Message from the Guest Editors

The understanding of the pathogenic mechanisms of Alzheimer's disease in the last decade is evolving much more rapidly than in the entire century from the discovery to the first decade of the new millennium. New hypotheses are emerging. Moreover, the role of the Immune System is growing, and according to some, it will soon prove to be prevalent and will modify the entire concept of "neurodegenerative diseases". The dynamics of Beta-Amyloid and NeuroFibrillary Tangle accumulation, their toxicity for the neuron, the interaction between neuron and glia, and between neurons and the Immune System: these remain the main chapters. It is difficult to predict which of these will offer therapies capable of effectively reaching the patient. The journal does not deal with clinical trials, but in this Special Issue, all studies preceding this phase, on the understanding of dementia and possible molecular targets in the search for a pharmacological treatment, are welcome.

Guest Editors

Dr. Roberto Dominici

Department of Biochemistry, Desio Hospital, ASST-Brianza, 20832 Desio, Italy

Dr. Diego Dolcetta

Neuroscience Institute of Rosà, 36027 Rosà, Italy

Deadline for manuscript submissions

20 September 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/217101

*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)