

Special Issue

Dementia: From Molecular Pathophysiology to Novel Therapeutic Approaches

Message from the Guest Editor

Dementia is a serious health and economic problem worldwide. Despite many efforts, there are not effective treatments to prevent or cure dementia.

Neurodegenerative dementias are characterized by the accumulation of specific proteins, but they also share common processes. The cooperation of all these mechanisms determines the onset and progression of such diseases. Therefore, modern therapies are moving from monocentric to multitarget approaches. Another crucial point in dementia research is the lack of concordance between animal or cellular models with human studies, especially in terms of drug efficacy.

This Special Issue aims to cover every necessary step in the process of developing new drugs in the field of neurodegenerative dementias, including:

- Identifying models that faithfully reproduce human pathologies;

- Expanding knowledge on pathophysiological mechanisms and their interconnections in determining the onset and progression of dementias;

- Screening for potential new drugs.

Experimental studies in in vitro or in vivo models and biomolecular experiments in clinical settings are both welcome for consideration.

Guest Editor

Dr. Camilla Ferrari

Department of Neuroscience, Psychology, Drug Research and Child Health (NEUROFARBA), University of Florence, 50134 Florence, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

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