



Electrophysiology of Alzheimer's Disease

Guest Editor:

Dr. Marco Weiergräber

Federal Institute for Drugs and
Medical Devices (Bundesinstitut
für Arzneimittel und
Medizinprodukte, BfArM, Bonn,
Germany

Deadline for manuscript
submissions:
closed (31 March 2021)

Message from the Guest Editor

Alzheimer's disease will be one of the biggest challenges for public health systems in the future.

This Issue intends to provide the reader with in vitro and in vivo electrophysiological studies, particularly in AD animal models on the micro, meso, and macro scale. Methodologically, the latter include, among other things, patch-clamp and multi-electrode array (MEA) studies, electroencephalographic recordings, and evoked potentials. Studies on, for example, isolated neurons or organotypic brain slice cultures are also highly welcome.

Our Special Issue is dedicated to the analysis of AD-related brain dysrhythmia and neuronal malcommunication, hyperexcitability, and excitotoxicity. Overall, we are confident that this Special Issue on current electrophysiological aspects of AD will be of interest to the broad readership of the journal and provide substantial information covering our current knowledge on electrophysiology in AD.





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

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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