

Special Issue

Alzheimer's disease: From Molecular Basis to Therapy

Message from the Guest Editors

Alzheimer's disease (AD) manifests as a chronic deterioration in cognition, primarily in memory, resulting from neuronal loss in specific regions of the brain. Genetics and pathology suggest that beta-amyloid build-up is the key process in the disease, but efforts to pharmaceutically reduce beta-amyloid have not resulted in an expected slowing of cognitive decline. Assuming that amyloid reduction is insufficient for therapeutic relief, other targets are required, and this necessitates new knowledge on AD pathogenesis. In this respect, the increasingly complex multidimensional molecular (multi-omic) data being generated from clinical samples and AD models are both exciting and extremely challenging. The scope of this Special Issue is an exploration of the different approaches that research groups are using to narrow this knowledge gap around AD pathogenesis. Authors are invited to submit original research or review articles which address linking molecular studies to novel therapeutic avenues or preventive strategies for AD.

Guest Editors

Dr. Greg T. Sutherland

New South Wales Brain Tissue Resource Centre and Charles Perkins Centre, School of Medical Sciences, Faculty of Medicine and Health, The University of Sydney, Camperdown, NSW 2050, Australia

Prof. Dr. James Duce

ALBORADA Drug Discovery Institute, University of Cambridge, Cambridge Biomedical Campus, Hills Road, Cambridge CB2 0AH, UK

Deadline for manuscript submissions

closed (15 June 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/81521

*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)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

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