# 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

Charles Perkins Centre and School of Medical Sciences, Faculty of Medicine and Health, 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)

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# 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

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