

Special Issue

Protein Oligomerization

Message from the Guest Editors

Protein oligomerization can occur either naturally or artificially, and can positively or negatively affect the properties of the native monomeric precursor. The resulting oligomers can be small benign products, or larger amyloidogenic derivatives driving toward cross-beta fibrils that characterize neurodegenerative diseases. The resulting species can be homo- or hetero-oligomers produced through artificial, or sometimes natural, intermolecular covalent cross-linking. Alternatively, they can be formed non-covalently (also naturally or artificially) through hydrophobic and/or electrostatic interactions, or following the so-called three-dimensional domain swapping (3D-DS) mechanism. These associations can occur as a consequence of modified environmental conditions, and the corresponding adducts can be stable or, sometimes, metastable. This Special Issue welcomes the submission of original research papers and of reviews focused on data concerning one or more of the topics mentioned. The analysis and discussion of aspects connected with the possibility of better comprehending important features of human diseases and counteracting them are encouraged.

Guest Editors

Dr. Giovanni Gotte

Dipartimento Neurosci Biomed & Movimento, Università degli Studi di Verona, I-37134 Verona, Italy

Prof. Marta Menegazzi

Department of Neuroscience, Biomedicine and Movement Sciences, Biochemistry Section, University of Verona, Strada Le Grazie 8, 37134 Verona, Italy

Deadline for manuscript submissions

closed (15 July 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/46148

*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)