International Journal of
Molecular Sciences

IMPACT FACTOR 5.6
Indexed in: PubMed
CITESCORE 7.8

an Open Access Journal by MDPI

Amyloid Hetero-Aggregation 2.0

Guest Editor:

Dr. Ludmilla A. Morozova-Roche
Department of Medical Biochemistry and Biophsyics, Umeå Univeristy, SE 90187 Umeå, Sweden

Deadline for manuscript submissions:
closed (30 April 2024)

Message from the Guest Editor

This Special Issue will address the molecular and cellular mechanisms of amyloid hetero-aggregation, deposition, and toxicity of various proteins–human, bacterial, and viral. Amyloid formation is a widespread phenomenon due to in the generic property of polypeptide chains that self-assemble into cross-β-sheet superstructures and are manifested in numerous amyloid-related diseases, as well as in functional amyloids. Recently, the comorbidity of amyloid diseases was also shown to be linked to the co-aggregation of different amyloidogenic proteins. Since amyloids formed by individual polypeptides are highly polymorphic, their co-aggregates add up to the complexity and heterogeneity of the amyloid mixture. Despite the key clinical importance of amyloid formation, the mechanisms of co-aggregation of different amyloid species remain elusive. There is an unmet need to understand the architecture and mechanisms of self-assembly leading to the formation of hetero-aggregates composed of various amyloid polypeptides. Your research and review articles on this subject are very welcome in this issue.

International Journal of
Molecular Sciences

IMPACT FACTOR 5.6 | Indexed in: PubMed | CITESCORE 7.8

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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

International Journal of Molecular Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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