

Special Issue

Glycan–Receptor Interaction 3.0

Message from the Guest Editor

Cell surface carbohydrates attached to proteins and lipids are major components of the outer surface of mammalian cells. Changes to the surface glycosylation are important means of cell–cell interaction in fertilization, development, differentiation, growth, aging, adhesion, signal transduction, neurotransduction, immune systems, carcinogenesis, metastasis, and angiogenesis. In tumors, the glycosylated antigens can be used as tumor markers for human cancer patients, especially for node-negative patients. We invite researchers to contribute original and review articles regarding the interactions between glycans and proteins. Potential topics include, but are not limited to:

- Glycosylation of *N-/O*-glycoproteins;
- Sialylation of glycoproteins and glycolipids;
- Lectin–glycan interaction;
- Sialyltransferases;
- Glycosylation in malignancy and cancers;
- Xenoantigenic glycosylation in non-human mammals;
- Sphingolipids in membranes;
- ...

Guest Editor

Prof. Dr. Cheorl-Ho Kim

1. Department of Biological Sciences, College of Science, Sungkyunkwan University, Seoburo 2066, Suwon 16419, Republic of Korea

2. Samsung Advanced Institute of Health Science and Technology (SAIHST), Sungkyunkwan University, Seoul 06351, Republic of Korea

Deadline for manuscript submissions

closed (31 October 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/101802

*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)