



## The Role of Glycosylation in Host-Microbial Interactions

Guest Editors:

**Prof. Dr. Lokesh Joshi**

Glycoscience Group, National  
University of Ireland Galway,  
Galway, Ireland

**Dr. Michelle Kilcoyne**

Carbohydrate Signalling Group,  
National University of Ireland  
Galway, Galway, Ireland

Deadline for manuscript  
submissions:

**closed (31 August 2020)**

### Message from the Guest Editors

One major field of advance in glycoscience and its role in biology is in the domain of host-microbial interactions. Most microbial interactions with host surfaces are mediated by carbohydrate-protein interactions to establish pathogenic or commensal relationships. In addition to the roles identified in host-pathogen interactions, our understanding of the role of gastrointestinal tract mucosal surface in colonisation of the host gut by commensal microbiome is in its infancy. Many factors, including diet, influence gut glycosylation and the microbial population and thus have an impact on their interactions and cross-talk, thus effecting human gut health and disease.

This Issue will elucidate the role of microbial or host glycosylation in host-microbe interactions in human health and disease.





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