







an Open Access Journal by MDPI

# Protein Glycosylation in the Secretory Pathway: Variation, **Biosynthesis and Function**

Guest Editors:

#### Prof. Dr. Sabine Strahl

Centre for Organismal Studies (COS), Department Glycobiology, Heidelberg University, 69120 Heidelberg, Germany

### **Prof. Dr. Bernd Lepenies**

Center for Emerging Infections and Zoonoses, Institute for Immunology & Research, University of Veterinary Medicine Hannover, Bünteweg 17, 30559 Hannover, Germany

Deadline for manuscript submissions:

closed (31 December 2019)

# **Message from the Guest Editors**

Dear colleagues.

Recent glycoproteomic and glycomic studies have clearly shown that the vast majority of proteins entering the secretory pathway are glycosylated. The glycan structures glycosylation pattern are dynamically differentially regulated during development as well as under certain pathological conditions. Glycosciences are undoubtedly experiencing a boom, as it is becoming more and more apparent that glycoproteins affect virtually all aspects of growth and development in the health and disease processes of eukaryotes.

This Special Issue will cover a broad range of studies on diversity, biosynthesis, and the function of protein glycosylation in eukaryotes ranging from yeast to human disease models. Experimental papers, recent review articles, and commentaries are welcome.













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 and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

### **Contact Us**