

# Special Issue

## Glycosaminoglycans

### Message from the Guest Editors

Glycosaminoglycans (GAGs) are receiving increasing scientific interest for their structural features, bioactivity, and biochemical role in different physiological and pathological conditions. Structural modifications of well-known GAGs are found in natural sources and/or obtained through custom tailored semisynthetic approaches. The aim of this Special Issue is to cover, with the help and expertise of contributing authors, three main aspects of the ongoing research and innovation on this topic: a) novel biotechnological and biosynthetic strategies to obtain GAG-like molecules; b) innovative approaches in the modification and characterization of GAGs; c) advances in unraveling and exploiting GAGs functional roles in biomedical sciences. Interest will also be given to innovative aspects related to the biomacromolecules interaction with specific cells targets, towards the assessment of GAGs as effectors in the biochemical cascade.

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### Guest Editors

Prof. Dr. Chiara Schiraldi

Dr. Donatella Cimini

Dr. Annalisa La Gatta

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### Deadline for manuscript submissions

closed (17 December 2021)



## International Journal of Molecular Sciences

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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.

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### Editor-in-Chief

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