

Special Issue

Glycosaminoglycans and Glycomimetics

Message from the Guest Editors

Glycosaminoglycans (GAGs) have been found to play numerous important roles in a broad range of physiological and pathological processes including blood coagulation, cell growth and differentiation, host defense, viral infection, lipid transport and metabolism, cell-to-cell and cell-to-matrix signaling, inflammation, cancer and Alzheimer's disease. In recent years, the research in GAGs and glycomimetics has been undergoing rapid progress because of the advances in glycan structural analysis, synthesis and genetic manipulation. More and more potential clinical applications of GAGs and glycomimetics have been discovered for the treatment of a wide range of diseases. In this Special Issue on "Glycosaminoglycans and Glycomimetics", we present the latest research and updated reviews related to these ubiquitous biomolecules of fundamental importance.

Guest Editors

Prof. Dr. Fuming Zhang

Prof. Dr. Robert J. Linhardt

Prof. Dr. Lianchun Wang

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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